abcam

ab184267

Anti-HuD + HuC antibody [EPR19098]

Anti-HuD + HuC antibody [EPR19098] (ab184267) is a rabbit monoclonal antibody detecting HuC in **Western Blot, Flow Cytometry (Intra), IP, IHC-P, IHC-Fr, ICC/IF, ELISA**. Suitable for **Human, Mouse, Rat**.

- Biophysical QC for unrivalled batch-batch consistency
- Over 10 publications

Recombinant | RabMAb

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Clone number	EPR19098
Purification technique	Affinity purification Protein A
Specificity	This antibody shows very weak cross reactivity to HuB in WB test. Please contact our Scientific support team for more information.
Concentration	0.521 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

I-ELISA

Tested

Species	Mouse
Dilution info	1000 ng/mL
Notes	-

Expected

Species	Rat, Human, Nothobranchius furzeri
Dilution info	Use at an assay dependent concentration.
Notes	-

IP

Tested

Species	Mouse
Dilution info	1/30
Notes	-

Expected

Species	Rat, Human, Nothobranchius furzeri
Dilution info	Use at an assay dependent concentration.
Notes	-

WB

Tested

Species	Mouse
Dilution info	1/1000
Notes	-

Species	Rat
Dilution info	1/1000

Notes	-

Species	Human
Dilution info	1/1000
Notes	-

Expected

Species	Nothobranchius furzeri
Dilution info	Use at an assay dependent concentration.
Notes	-

ICC/IF

Tested

Species	Mouse
Dilution info	1/500
Notes	-

Species	Human
Dilution info	1/500
Notes	-

Expected

Species	Rat, Nothobranchius furzeri
Dilution info	Use at an assay dependent concentration.
Notes	-

IHC-Fr

Tested

Species	Mouse
Dilution info	1/500

Notes	Antigen retrieval: Heated citrate solution (10mM citrate pH 6.0 + 0.05% Tween-20).

Species	Rat
Dilution info	1/500
Notes	Antigen retrieval: Heated citrate solution (10mM citrate pH 6.0 + 0.05% Tween-20).

Species	Nothobranchius furzeri
Dilution info	1/100
Notes	Perform heat-mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Expected

Species	Human
Dilution info	Use at an assay dependent concentration.
Notes	-

Flow Cyt (Intra)

Tested

Species	Mouse
Dilution info	1/500
Notes	-

Species	Human
Dilution info	1/500
Notes	-

Expected

Species	Rat, Nothobranchius furzeri
Dilution info	Use at an assay dependent concentration.
Notes	-

IHC-P

Tested

Species	Rat
Dilution info	1/4000
Notes	Perform heat-mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Species	Human
Dilution info	1/4000
Notes	Perform heat-mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Expected

Species	Mouse, Nothobranchius furzeri
Dilution info	Use at an assay dependent concentration.
Notes	-

Target data

See full target information ELAVL3

Function	RNA-binding protein that binds to AU-rich element (ARE) sequences of target mRNAs, including VEGF mRNA (PubMed:10710437). May also bind poly-A tracts via RRM 3 (By similarity). May be involved in neuronal differentiation and maintenance (By similarity). Plays a role in the stabilization of GAP43 mRNA and in spatial learning (By similarity).

Storage

Shipped at conditions	Conditional Ambient
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C

Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Notes

What is this antibody validated in?
Anti-HuD + HuC antibody [EPR19098] (ab184267) is a rabbit recombinant monoclonal antibody and is validated for use in Western Blot (WB), Flow Cytometry (Intra), Flow Cytometry (Flow Cyt), Immunoprecipitation (IP), Immunohistochemistry (IHC-P), Immunohistochemistry (IHC-Fr), Immunocytochemistry/immunofluorescence (ICC/IF), ELISA in Human, Mouse, Rat samples.

What is the molecular weight of HuC?
Anti-HuD + HuC [EPR19098] (ab184267) specifically detects a band for HuC (UniProt: Q60900) at a molecular weight of 40kDa.

Trusted by the scientific community
Anti-HuD + HuC [EPR19098] (ab184267) was first used in a scientific publication in 2017 and has been cited over 10 times in peer-reviewed journals.

Patented technology
Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

What are the advantages of a recombinant monoclonal antibody?
This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free batch production

For more information, read more on recombinant antibodies.

Supplementary info

This supplementary information is collated from multiple sources and compiled automatically.

Activity summary	The HuD and HuC proteins also known as neuronal ELAV-like RNA binding proteins play critical roles in neuronal development and function. These proteins weigh approximately 37 kDa and are specifically expressed in neurons. They are part of the family of ELAV (Embryonic Lethal Abnormal Vision) proteins with HuD sometimes referred to as C HuD. HuD and HuC are involved in RNA stabilization processes by binding to AU-rich elements in the 3' untranslated regions (3' UTR) of mRNA which influence the regulation of mRNA turnover stability and translation.
Biological function summary	HuD and HuC proteins are integral to the regulation of gene expression during neuronal differentiation. They participate in RNA processing machinery and can form complexes with other RNA-binding proteins affecting the neuronal mRNA

	transcriptome. These interactions facilitate the stabilization and localization of mRNAs essential for synaptic plasticity and neuron functionality. Their presence highlights the post-transcriptional regulation mechanisms vital for nervous system development and function.
Pathways	HuD and HuC proteins are essential players in neuron-specific mRNA processing pathways. They interact closely with molecular pathways involved in learning and memory particularly those involving the MAPK/ERK pathway. They frequently co-regulate mRNA with other proteins like HuR a ubiquitous ELAV protein. These interactions assist in the modulation of gene expression profiles necessary for proper neuronal signaling and plasticity.
Associated diseases and disorders	HuD and HuC proteins are linked with conditions such as neurological cancer and neurodegenerative disorders. Their deregulation has been associated with neuroblastoma where aberrant expression influences tumor proliferation. Additionally alterations in HuD and HuC protein function have connections with Alzheimer's disease wherein their interactions with tau protein impact disease progression. Understanding these associations provides insights into potential therapeutic targets and interventions for such conditions.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

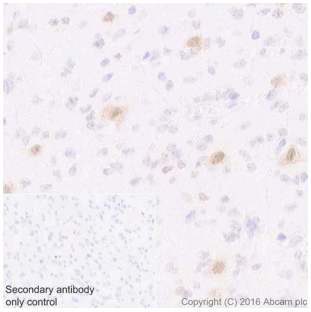
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

23 product images



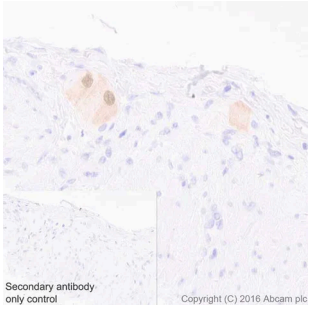
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HuD + HuC antibody [EPR19098] (ab184267)

Immunohistochemical analysis of paraffin-embedded human glioma tissue labeling HuC + HuD with ab184267 at 1/4000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution.
Nuclear and weakly cytoplasmic staining on human glioma is observed.

Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HuD + HuC antibody [EPR19098] (ab184267)

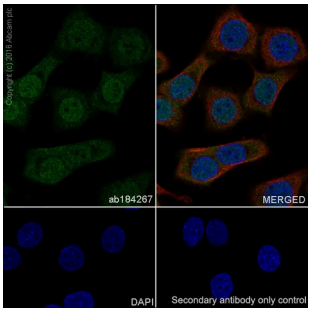
HuD + HuC Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-HuD + HuC antibody

Immunohistochemical analysis of paraffin-embedded human colon tissue labeling HuC + HuD with ab184267 at 1/4000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution.
Nuclear and weakly cytoplasmic staining on myenteric ganglia of human colon is observed [PMID: 16918730].

Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-HuD + HuC antibody [EPR19098] (ab184267)

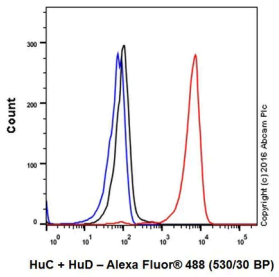
HuD + HuC Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-HuD + HuC antibody

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized SH-SY5Y (Human neuroblastoma cell line from bone marrow) cells labeling HuC + HuD with ab184267 at 1/500 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor® 488) (ab150077) secondary antibody at 1/1000 dilution (green).
Confocal image showing cytoplasmic and nuclear staining on SH-SY5Y cell line.

The nuclear counterstain is DAPI (blue).

Tubulin is detected with ab195889 (Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594)) at 1/200 dilution (red).

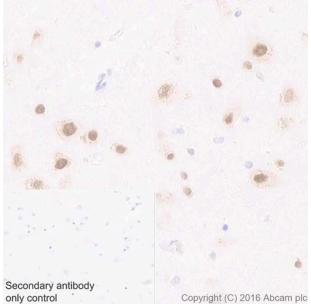
Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat anti-rabbit IgG (Alexa Fluor® 488) (ab150077) at 1/1000 dilution.



Flow Cytometry (Intracellular) - Anti-HuD + HuC antibody [EPR19098] (ab184267)

HuD + HuC Flow Cytometry (Intracellular) staining using rabbit Anti-HuD + HuC antibody

Intracellular flow cytometric analysis of 4% paraformaldehyde-fixed SH-SY5Y (Human neuroblastoma cell line from bone marrow) cells labeling HuC + HuDwith ab184267 at 1/500 dilution (red) compared with a rabbit monoclonal IgG isotype control (ab172730; black) and an unlabeled control (cells without incubation with primary antibody and secondary antibody; blue). Goat anti rabbit IgG (Alexa Fluor® 488) at 1/2000 dilution was used as the secondary antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HuD + HuC antibody [EPR19098] (ab184267)

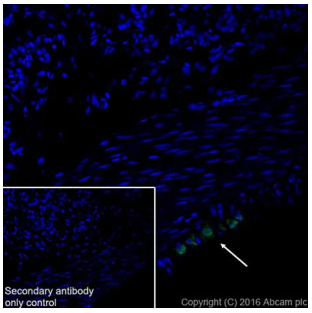
HuD + HuC Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-HuD + HuC antibody

Immunohistochemical analysis of paraffin-embedded human cerebral cortex tissue labeling HuC + HuD with ab184267 at 1/4000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution.
Nuclear and weakly cytoplasmic staining on neurons of human cerebral cortex is observed [PMID: 22007133].

Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



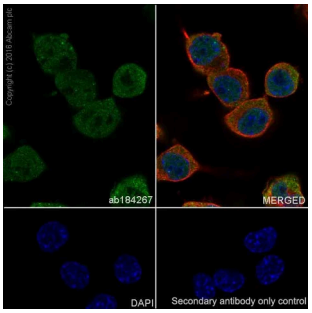
Immunohistochemistry (Frozen sections) - Anti-HuD + HuC antibody [EPR19098] (ab184267)

HuD + HuC Immunohistochemistry (Frozen sections) staining using rabbit Anti-HuD + HuC antibody

Immunohistochemical analysis of 4% paraformaldehyde-fixed, 0.2% Triton X-100 permeabilized frozen mouse stomach tissue labeling HuC + HuD with ab184267 at 1/500 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor® 488) (ab150077) secondary antibody at 1/1000 dilution (green). Cytoplasmic and nuclear staining on myenteric ganglia of mouse stomach is observed (white arrow).

The nuclear counterstain is DAPI (blue).

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat anti-rabbit IgG (Alexa Fluor® 488) (ab150077) at 1/1000 dilution.



Immunocytochemistry/ Immunofluorescence - Anti-HuD + HuC antibody [EPR19098] (ab184267)

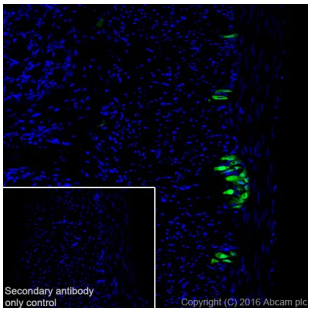
HuD + HuC Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-HuD + HuC antibody

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized Neuro-2a (Mouse neuroblastoma cell line) cells labeling HuC + HuD with ab184267 at 1/500 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor® 488) (ab150077) secondary antibody at 1/1000 dilution (green).
Confocal image showing cytoplasmic and nuclear staining on Neuro-2a cell line.

The nuclear counterstain is DAPI (blue).

Tubulin is detected with ab195889 (Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594)) at 1/200 dilution (red).

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat anti-rabbit IgG (Alexa Fluor® 488) (ab150077) at 1/1000 dilution.



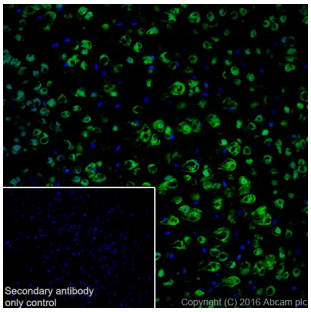
Immunohistochemistry (Frozen sections) - Anti-HuD + HuC antibody [EPR19098] (ab184267)

HuD + HuC Immunohistochemistry (Frozen sections) staining using rabbit Anti-HuD + HuC antibody

Immunohistochemical analysis of 4% paraformaldehyde-fixed, 0.2% Triton X-100 permeabilized frozen rat colon tissue labeling HuC + HuD with ab184267 at 1/500 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor® 488) (ab150077) secondary antibody at 1/1000 dilution (green). Cytoplasmic and nuclear staining on myenteric ganglia of rat colon is observed.

The nuclear counterstain is DAPI (blue).

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat anti-rabbit IgG (Alexa Fluor® 488) (ab150077) at 1/1000 dilution.



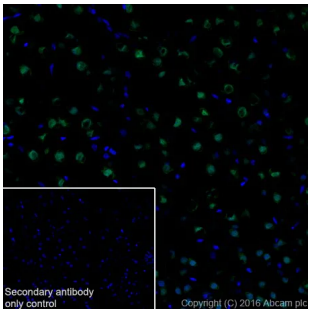
Immunohistochemistry (Frozen sections) - Anti-HuD + HuC antibody [EPR19098] (ab184267)

HuD + HuC Immunohistochemistry (Frozen sections) staining using rabbit Anti-HuD + HuC antibody

Immunohistochemical analysis of 4% paraformaldehyde-fixed, 0.2% Triton X-100 permeabilized frozen mouse cerebral cortex tissue labeling HuC + HuD with ab184267 at 1/500 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor® 488) (ab150077) secondary antibody at 1/1000 dilution (green).
Cytoplasmic and nuclear staining on neurons of mouse cerebral cortex is observed.

The nuclear counterstain is DAPI (blue).

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat anti-rabbit IgG (Alexa Fluor® 488) (ab150077) at 1/1000 dilution.



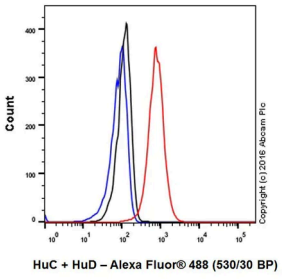
Immunohistochemistry (Frozen sections) - Anti-HuD + HuC antibody [EPR19098] (ab184267)

HuD + HuC Immunohistochemistry (Frozen sections) staining using rabbit Anti-HuD + HuC antibody

Immunohistochemical analysis of 4% paraformaldehyde-fixed, 0.2% Triton X-100 permeabilized frozen rat cerebral cortex tissue labeling HuC + HuD with ab184267 at 1/500 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor® 488) (ab150077) secondary antibody at 1/1000 dilution (green). Cytoplasmic and nuclear staining on neurons of rat cerebral cortex is observed.

The nuclear counterstain is DAPI (blue).

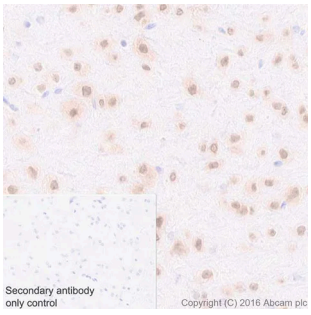
Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat anti-rabbit IgG (Alexa Fluor® 488) (ab150077) at 1/1000 dilution.



Flow Cytometry (Intracellular) - Anti-HuD + HuC antibody [EPR19098] (ab184267)

HuD + HuC Flow Cytometry (Intracellular) staining using rabbit Anti-HuD + HuC antibody

Intracellular flow cytometric analysis of 4% paraformaldehyde-fixed Neuro-2a (Mouse neuroblastoma cell line) cells labeling HuC + HuDwith ab184267 at 1/500 dilution (red) compared with a rabbit monoclonal IgG isotype control (ab172730; black) and an unlabeled control (cells without incubation with primary antibody and secondary antibody; blue). Goat anti rabbit IgG (Alexa Fluor® 488) at 1/2000 dilution was used as the secondary antibody.



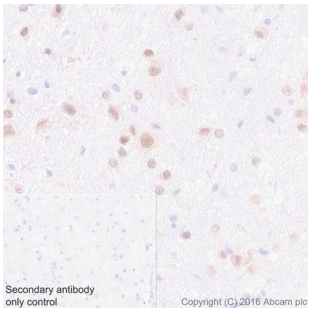
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HuD + HuC antibody [EPR19098] (ab184267)

Immunohistochemical analysis of paraffin-embedded mouse cerebral cortex tissue labeling HuC + HuD with ab184267 at 1/4000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution.
Nuclear and weakly cytoplasmic staining on neurons of mouse cerebral cortex is observed.

Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HuD + HuC antibody [EPR19098] (ab184267)

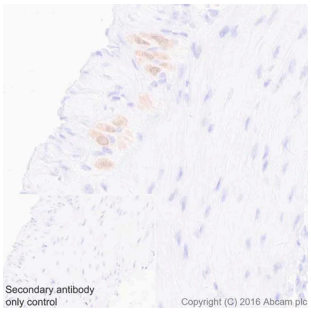
HuD + HuC Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-HuD + HuC antibody

Immunohistochemical analysis of paraffin-embedded rat cerebral cortex tissue labeling HuC + HuD with ab184267 at 1/4000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution.
Nuclear and weakly cytoplasmic staining on neurons of rat cerebral cortex is observed.

Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HuD + HuC antibody [EPR19098] (ab184267)

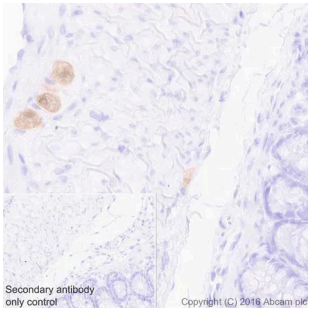
HuD + HuC Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-HuD + HuC antibody

Immunohistochemical analysis of paraffin-embedded mouse stomach tissue labeling HuC + HuD with ab184267 at 1/4000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution.
Cytoplasmic and nuclear staining on myenteric ganglia of mouse stomach is observed.

Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HuD + HuC antibody [EPR19098] (ab184267)

HuD + HuC Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-HuD + HuC antibody

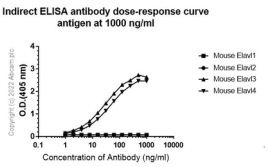
Immunohistochemical analysis of paraffin-embedded rat colon tissue labeling HuC + HuD with ab184267 at 1/4000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution.

Cytoplasmic and nuclear staining on myenteric ganglia of rat colon is observed.

Counter stained with Hematoxylin.

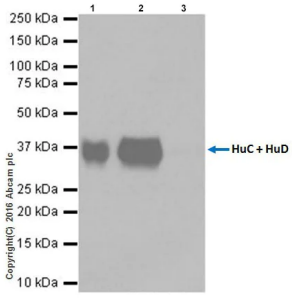
Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Indirect ELISA - Anti-HuD + HuC antibody [EPR19098] (ab184267)

Indirect ELISA showing primary antibody ab184267 binding to Mouse Elavl1 (HuR); Mouse Elavl2 (HuB); Mouse Elavl3 (HuC); Mouse Elavl4 (HuD). Antigen concentration is 1000 ng/ml. Substrate solution is p-nitrophenyl phosphate(PNPP). Binding of ab184267 was assessed in a serial dilution range 1000-0 ng/ml. Binding was detected using the secondary antibody, Alkaline Phosphatase-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at 1/2500 dilution.



Immunoprecipitation - Anti-HuD + HuC antibody [EPR19098] (ab184267)

HuC + HuD was immunoprecipitated from 0.35 mg of mouse brain lysate with ab184267 at 1/30 dilution.
Western blot was performed from the immunoprecipitate using ab184267 at 1/1000 dilution.

VeriBlot for IP Detection Reagent (HRP) (ab131366), was used for detection at 1/10000 dilution.

Lane 1: Mouse brain lysate, 10 µg (Input).

Lane 2: ab184267 IP in mouse brain lysate.

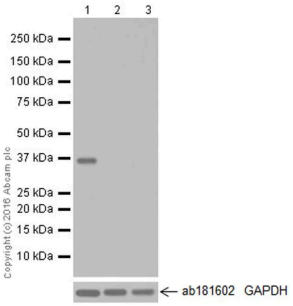
Lane 3: Rabbit monoclonal IgG (ab172730) instead of ab184267 in mouse brain lysate.

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

Exposure time: 30 seconds.

All lanes:
Immunoprecipitation - Anti-HuD + HuC antibody [EPR19098] (ab184267)

Observed band size: 39 kDa



Western blot - Anti-HuD + HuC antibody [EPR19098] (ab184267)

Blocking/Dilution buffer: 5% NFDM/TBST.
The expression profile is consistent with what has been described in the literature (PMID: 9016658; PMID:8535975).

All lanes:
Western blot - Anti-HuD + HuC antibody [EPR19098] (ab184267) at 1/1000 dilution

Lane 1:
Human fetal brain lysate at 10 µg

Lane 2:
Human fetal heart lysate at 10 µg

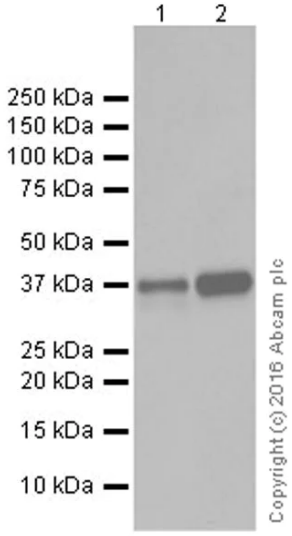
Lane 3:
Human fetal kidney lysate at 10 µg

Secondary

All lanes:
Western blot - VeriBlot for IP Detection Reagent (HRP) (ab131366) at 1/4000 dilution

Observed band size: 39 kDa

Exposure time: 8s



Western blot - Anti-HuD + HuC antibody [EPR19098] (ab184267)

HuD + HuC Western blot staining using rabbit Anti-HuD + HuC antibody

Blocking/Dilution Buffer: 5% NFDM/TBST
All lanes:
Western blot - Anti-HuD + HuC antibody [EPR19098] (ab184267) at 1/5000 dilution

Lane 1:
Neuro-2a (Mouse neuroblastoma cell line) whole cell lysate at 20 µg

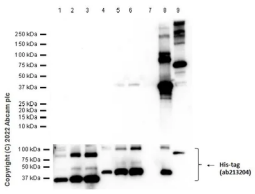
Lane 2:
SH-SY5Y (Human neuroblastoma cell line from bone marrow) whole cell lysate at 20 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution

Observed band size: 39 kDa

Exposure time: 5s



Western blot - Anti-HuD + HuC antibody [EPR19098] (ab184267)

Blocking and diluting buffer and concentration: 5% NFDM/TBST. ab184267 shows very weak cross reactivity with HuB. Band around 80kda detected by anti-His tag antibody should be dimer.
Lanes 1 - 9:
Western blot - Anti-HuD + HuC antibody [EPR19098] - BSA and Azide free (ab232416)

Lanes 1 - 9:
Western blot - Anti-HuD + HuC antibody [EPR19098] (ab184267) at 1/1000 dilution

Lane 1:
His-tagged Mouse HUR recombinant protein (aa1-326) at 10 ng

Lane 2:
His-tagged Mouse HUR recombinant protein (aa1-326) at 50 ng

Lane 3:
His-tagged Mouse HUR recombinant protein (aa1-326) at 100 ng

Lane 4:
His-tagged mouse HuB recombinant protein (aa1-360) at 10 ng

Lane 5:

His-tagged mouse HuB recombinant protein (aa1-360) at 50 ng

Lane 6:
His-tagged mouse HuB recombinant protein (aa1-360) at 100 ng

Lane 7:
Blank

Lane 8:
His-tagged mouse HuC recombinant protein (aa1-367) at 10 ng

Lane 9:
His-GST-tagged mouse HuD recombinant protein (aa1-385) at 10 ng

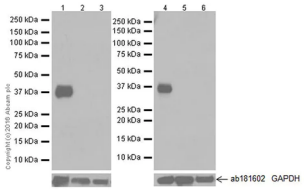
Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution

Predicted band size: 40 kDa

Observed band size: 37 kDa, 75 kDa

Exposure time: 10s



Western blot - Anti-HuD + HuC antibody [EPR19098] (ab184267)

Blocking/Dilution buffer: 5% NFDM/TBST.
Exposure time: Lane 1-3: 1 minute; Lane 4-6: 5 seconds.

The expression profile is consistent with what has been described in the literature (PMID: 9016658; PMID: 8535975).

All lanes:
Western blot - Anti-HuD + HuC antibody [EPR19098] (ab184267) at 1/1000 dilution

Lane 1:
Mouse brain lysate at 10 µg

Lane 2:
Mouse heart lysate at 10 µg

Lane 3:
Mouse kidney lysate at 10 µg

Lane 4:
Rat brain lysate at 10 µg

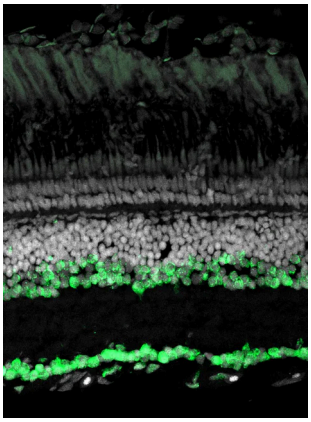
Lane 5:
Rat heart lysate at 10 µg

Lane 6:
Rat kidney lysate at 10 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution

Observed band size: 39 kDa

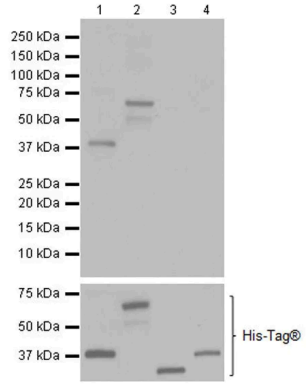


This image is courtesy of a customer review submitted by Ryan Macdonald

Immunohistochemistry (Frozen sections) - Anti-HuD + HuC antibody [EPR19098] (ab184267)

HuD + HuC Immunohistochemistry (Frozen sections) staining of Nothobranchius furzeri Retina using rabbit Anti-HuD + HuC antibody

Immunohistochemical analysis of PFA-fixed unpermeabilized frozen Nothobranchius furzeri Retina, 6 weeks old (fresh frozen) tissue labeling HuD + HuC with ab184267 at 1/100 dilution for 16 hours at 4°C followed by Goat anti Rabbit Alexa Fluor® 488 at 1/1000 dilution (pseudocolored to green). 1% BSA used as blocking agent for 1 hour.
Antigen retrieval was used prior to antibody labelling. Slides were boiled in NaCit (pH=6.0) for 20 minutes and washed 3x PBS with Triton X (0.1%).



Western blot - Anti-HuD + HuC antibody [EPR19098] (ab184267)

Blocking/Dilution buffer: 5% NFDM/TBST.
Exposure time: 0.5 second.

Please note that the band around 55kDa in lane 2 is most likely the HuD protein with tags.

All lanes:
Western blot - Anti-HuD + HuC antibody [EPR19098] (ab184267) at 1/2000 dilution

Lane 1:
His-tagged mouse HuC recombinant protein (aa1-367) at 0.01 µg

Lane 2:
His-GST-tagged mouse HuD recombinant protein (aa1-385) at 0.01 µg

Lane 3:
His-tagged mouse HuR recombinant protein (aa1-360) at 0.01 µg

Lane 4:
His-tagged mouse HuB recombinant protein (aa1-360) at 0.01 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution

Observed band size: 39 kDa, 68 kDa

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.