abcam

ab186430

Anti-Elav-type RNA-binding protein ETR3 antibody [EPR13374-2]

Recombinant | RabMAb

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 - 7.4 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	EPR13374-2
Purification technique	Affinity purification Protein A
Concentration	1.372 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

IP

Tested

Species	Human
Dilution info	1/50 - 1/70
Notes	-

Expected

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

WB

Tested

Species	Mouse
Dilution info	1/1000 - 1/10000
Notes	-

Species	Rat
Dilution info	1/1000 - 1/10000
Notes	-

Species	Human
Dilution info	1/1000 - 1/10000
Notes	-

ICC/IF

Tested

Species	Human
Dilution info	1/500
Notes	-

Expected

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

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	1/270
Notes	ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

Expected

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

IHC-P

Tested

Species	Rat
Dilution info	1/50 - 1/100
Notes	-

Species	Human
Dilution info	1/50 - 1/100
Notes	-

Expected

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

Target data

See full target information CELF2

Function	RNA-binding protein implicated in the regulation of several post-transcriptional events. Involved in pre-mRNA alternative splicing, mRNA translation and stability.

Mediates exon inclusion and/or exclusion in pre-mRNA that are subject to tissue-specific and developmentally regulated alternative splicing. Specifically activates exon 5 inclusion of TNNT2 in embryonic, but not adult, skeletal muscle. Activates TNNT2 exon 5 inclusion by antagonizing the repressive effect of PTB. Acts both as an activator and as a repressor of a pair of coregulated exons: promotes inclusion of the smooth muscle (SM) exon but exclusion of the non-muscle (NM) exon in actinin pre-mRNAs. Promotes inclusion of exonS 21 and exclusion of exon 5 of the NMDA receptor R1 pre-mRNA. Involved in the apoB RNA editing activity. Increases COX2 mRNA stability and inhibits COX2 mRNA translation in epithelial cells after radiation injury (By similarity). Modulates the cellular apoptosis program by regulating COX2-mediated prostaglandin E2 (PGE2) expression (By similarity). Binds to (CUG)n triplet repeats in the 3'-UTR of transcripts such as DMPK. Binds to the muscle-specific splicing enhancer (MSE) intronic sites flanking the TNNT2 alternative exon 5. Binds preferentially to UG-rich sequences, in particular UG repeat and UGUU motifs. Binds to apoB mRNA, specifically to AU-rich sequences located immediately upstream of the edited cytidine. Binds AU-rich sequences in the 3'-UTR of COX2 mRNA (By similarity). Binds to an intronic RNA element responsible for the silencing of exon 21 splicing (By similarity). Binds to (CUG)n repeats (By similarity). May be a specific regulator of miRNA biogenesis. Binds to primary microRNA pri-MIR140 and, with CELF1, negatively regulates the processing to mature miRNA (PubMed:28431233).

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

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.

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

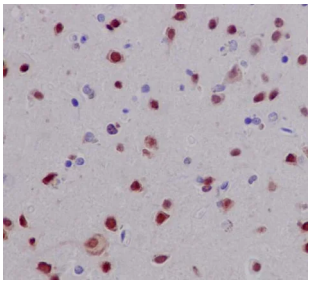
We do not recommend this combination. It is not covered by our product promise.

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.

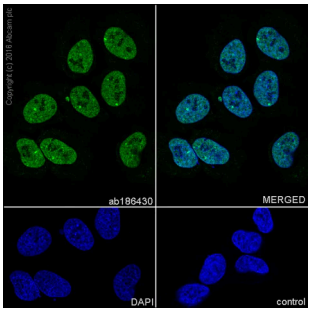
9 product images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Elav-type RNA-binding protein ETR3 antibody [EPR13374-2] (ab186430)

Elav-type RNA-binding protein ETR3 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-Elav-type RNA-binding protein ETR3 antibody

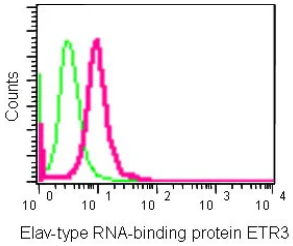
Immunohistochemical analysis of paraffin-embedded Human brain tissue labeling Elav-type RNA-binding protein ETR3 with ab186430 at 1/100 dilution followed by prediluted HRP Polymer for Rabbit IgG. Counter stained with Hematoxylin.
Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-Elav-type RNA-binding protein ETR3 antibody [EPR13374-2] (ab186430)

Elav-type RNA-binding protein ETR3 Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-Elav-type RNA-binding protein ETR3 antibody

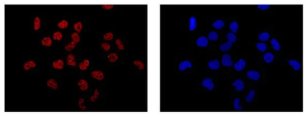
ab186430 staining Elav-type RNA-binding protein ETR3 in HeLa (human cervix adenocarcinoma) cells by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with 4% PFA and permeabilised with 0.1% triton X-100. Samples were incubated with primary antibody at a dilution of 1/500. A goat anti rabbit IgG (Alexa Fluor® 488) (ab150077) was used as the secondary antibody at a dilution of 1/1000. DAPI was used as a nuclear counterstain.
Negative control 1:PBS only.



Flow Cytometry (Intracellular) - Anti-Elav-type RNA-binding protein ETR3 antibody [EPR13374-2] (ab186430)

Elav-type RNA-binding protein ETR3 Flow Cytometry (Intracellular) staining using rabbit Anti-Elav-type RNA-binding protein ETR3 antibody

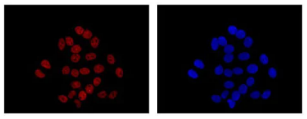
Intracellular flow cytometric analysis of 2% paraformaldehyde-fixed HeLa cells labeling Elav-type RNA-binding protein ETR3with ab186430 at 1/270 dilution (red) compared to a Rabbit monoclonal IgG isotype control (green), followed by Goat anti rabbit IgG (FITC) secondary antibody at 1/150 dilution.



Immunocytochemistry/ Immunofluorescence - Anti-Elav-type RNA-binding protein ETR3 antibody [EPR13374-2] (ab186430)

Elav-type RNA-binding protein ETR3 Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-Elav-type RNA-binding protein ETR3 antibody

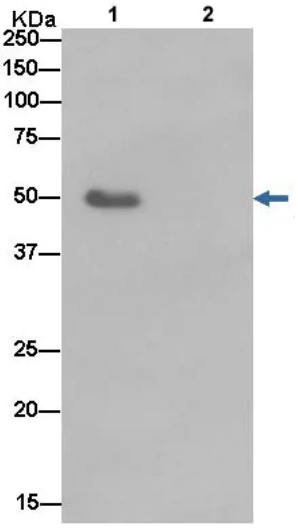
Immunofluorescent analysis of 4% paraformaldehyde-fixed HeLa cells labeling Elav-type RNA-binding protein ETR3 with ab186430 at 1/500 dilution followed by Goat anti rabbit IgG (Alexa Fluor® 555) secondary antibody at 1/200 dilution. Counter stained with Dapi (blue).



Immunocytochemistry/ Immunofluorescence - Anti-Elav-type RNA-binding protein ETR3 antibody [EPR13374-2] (ab186430)

Elav-type RNA-binding protein ETR3 Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-Elav-type RNA-binding protein ETR3 antibody

Immunofluorescent analysis of 4% paraformaldehyde-fixed MCF7 cells labeling Elav-type RNA-binding protein ETR3 with ab186430 at 1/500 dilution followed by Goat anti rabbit IgG (Alexa Fluor® 555) secondary antibody at 1/200 dilution. Counter stained with Dapi (blue).

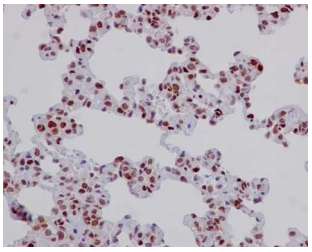


Immunoprecipitation - Anti-Elav-type RNA-binding protein ETR3 antibody [EPR13374-2] (ab186430)

Western blot analysis of Elav-type RNA-binding protein ETR3 in HeLa cell lysate immunoprecipitated with ab186430 at 1/50 dilution (Lane 1). Lane 2: PBS instead of HeLa lysate. Secondary antibody: Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1500 dilution.

All lanes:
Immunoprecipitation - Anti-Elav-type RNA-binding protein ETR3 antibody [EPR13374-2] (ab186430)

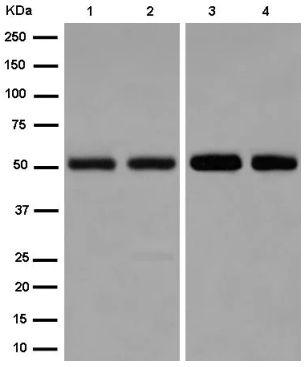
Predicted band size: 54 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Elav-type RNA-binding protein ETR3 antibody [EPR13374-2] (ab186430)

Elav-type RNA-binding protein ETR3 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-Elav-type RNA-binding protein ETR3 antibody

Immunohistochemical analysis of paraffin-embedded rat lung tissue labeling Elav-type RNA-binding protein ETR3 with ab186430 at 1/100 dilution followed by prediluted HRP Polymer for Rabbit IgG. Counter stained with Hematoxylin.
Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.



Western blot - Anti-Elav-type RNA-binding protein ETR3 antibody [EPR13374-2] (ab186430)

All lanes:
Western blot - Anti-Elav-type RNA-binding protein ETR3 antibody [EPR13374-2] (ab186430) at 1/5000 dilution

Lane 1:
Human fetal liver lysate at 20 µg

Lane 2:
K562 cell lysate at 20 µg

Lane 3:
HeLa cell lysate at 20 µg

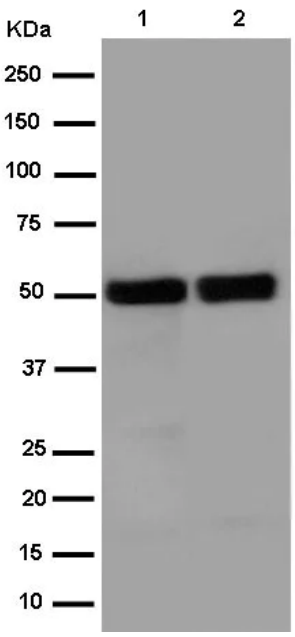
Lane 4:
MCF7 cell lysate at 20 µg

Secondary

All lanes:
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugate at 1/1000 dilution

Predicted band size: 54 kDa

Observed band size: 54 kDa



Western blot - Anti-Elav-type RNA-binding protein ETR3 antibody [EPR13374-2] (ab186430)

Elav-type RNA-binding protein ETR3 Western blot staining using rabbit Anti-Elav-type RNA-binding protein ETR3 antibody

All lanes:
Western blot - Anti-Elav-type RNA-binding protein ETR3 antibody [EPR13374-2] (ab186430) at 1/5000 dilution

Lane 1:
C6 cell lysate at 10 µg

Lane 2:
NIH 3T3 cell lysate at 10 µg

Secondary

All lanes:
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugate at 1/1000 dilution

Predicted band size: 54 kDa

Observed band size: 54 kDa

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