abcam

ab191395

Anti-DTN-A antibody [EPR14112]

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	EPR14112
Purification technique	Affinity purification Protein A
Concentration	0.655 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	1/130
Notes	ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

Predicted

Species	Mouse, Rat
Dilution info	-
Notes	-

WB

Tested

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

Predicted

Species	Mouse, Rat
Dilution info	-
Notes	-

ICC/IF

Tested

Species	Human
Dilution info	1/250
Notes	-

Predicted

Species	Mouse, Rat
Dilution info	-
Notes	-

IHC-P

Tested

Species	Human
Dilution info	1/100
Notes	Perform heat-mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Predicted

Species	Mouse, Rat
Dilution info	-
Notes	-

Target data

See full target information DTNA

Function	May be involved in the formation and stability of synapses as well as being involved in the clustering of nicotinic acetylcholine receptors.

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

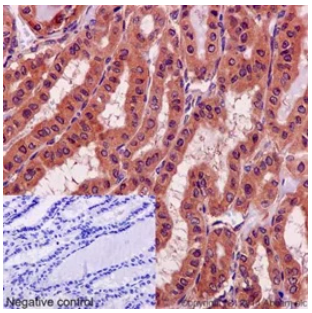
We do not recommend this combination. It is not covered by our product promise.

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.

5 product images

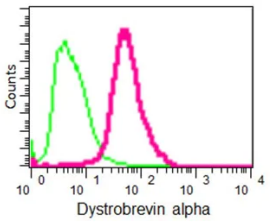


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DTN-A antibody [EPR14112] (ab191395)

DTN-A Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-DTN-A antibody

Immunohistochemical analysis of paraffin-embedded Human thyroid carcinoma tissue labeling DTN-A with ab191395 at 1/100 dilution followed by pre-diluted HRP Polymer for Rabbit IgG secondary antibody and counter-stained with Hematoxylin. Inset: Negative control: using PBS instead of primary antibody.

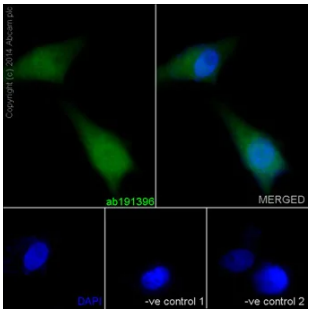
Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Flow Cytometry (Intracellular) - Anti-DTN-A antibody [EPR14112] (ab191395)

DTN-A Flow Cytometry (Intracellular) staining using rabbit Anti-DTN-A antibody

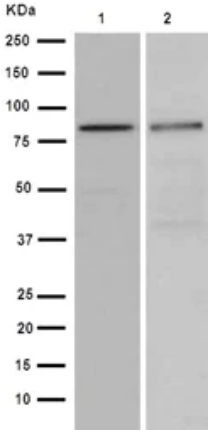
Intracellular flow cytometric analysis of A673 cells (paraformaldehyde-fixed, 2%)labeling DTN-A with ab191395 at 1/130 dilution (red) or a rabbit IgG (negative) (green), followed by Goat anti rabbit IgG (FITC) secondary at 1/150 dilution.



Immunocytochemistry/ Immunofluorescence - Anti-DTN-A antibody [EPR14112] (ab191395)

DTN-A Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-DTN-A antibody

Immunofluorescent analysis of U87-MG cells (4% formaldehyde-fixed; 0.1% Triton X-100 permeabilized) labeling DTN-A with ab191395 at 1/250 dilution. A Goat anti rabbit IgG (Alexa Fluor®488) (ab150077) was used as the secondary at 1/200 dilution. Counter-stained with DAPI (blue). Negative controls: Primary ab concentration (anti-DTNA) is 1/250 dilution, Secondary ab (Goat anti mouse IgG (Alexa Fluor®594)) at 1/400 dilution.



Western blot - Anti-DTN-A antibody [EPR14112] (ab191395)

All lanes:
Western blot - Anti-DTN-A antibody [EPR14112] (ab191395) at 1/10000 dilution

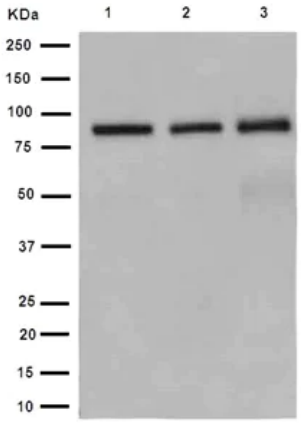
Lane 1:
A673 cell lysate at 10 µg

Lane 2:
U87-MG cell lysate at 10 µg

Secondary

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

Predicted band size: 84 kDa



Western blot - Anti-DTN-A antibody [EPR14112] (ab191395)

All lanes:
Western blot - Anti-DTN-A antibody [EPR14112] (ab191395) at 1/10000 dilution

Lane 1:
Human fetal brain lysate at 20 µg

Lane 2:
Human cerebellum lysate at 20 µg

Lane 3:
Human skeletal muscle lysate at 20 µg

Secondary

All lanes:
Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1000 dilution

Predicted band size: 84 kDa

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