


Product datasheet

Anti-DCTN4 antibody [EPR11223] ab170107

Recombinant **RabMAb**

★★★★★ **4 Abreviews** [4 Images](#)

Overview

Product name	Anti-DCTN4 antibody [EPR11223]
Description	Rabbit monoclonal [EPR11223] to DCTN4
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF, IHC-P Unsuitable for: Flow Cyt or IP
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Recombinant fragment corresponding to Human DCTN4.
Positive control	Human fetal brain, U87-MG, K562 or HeLa lysate, Human kidney tissue, HeLa cells.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Tissue culture supernatant
Clonality	Monoclonal

Clone number EPR11223

Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab170107 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (3)	1/1000 - 1/10000. Predicted molecular weight: 62 kDa.
ICC/IF	★★★★★ (1)	1/100 - 1/250.
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. Use of an HRP/AP polymerized secondary antibody recommended.

Application notes Is unsuitable for Flow Cyt or IP.

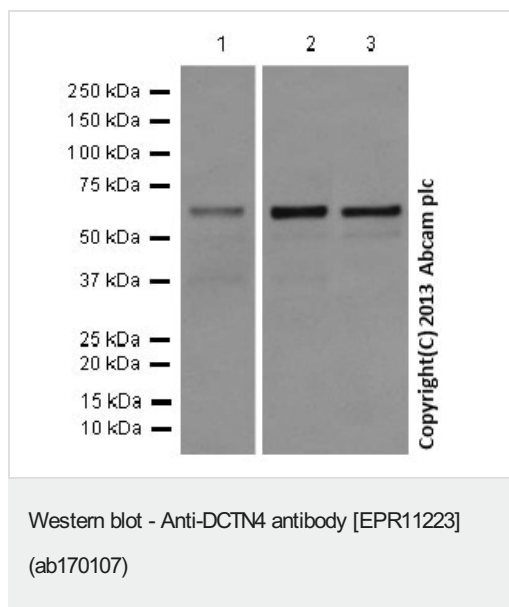
Target

Function Could have a dual role in dynein targeting and in ACTR1A/Arp1 subunit of dynactin pointed-end capping. Could be involved in ACTR1A pointed-end binding and in additional roles in linking dynein and dynactin to the cortical cytoskeleton.

Sequence similarities Belongs to the dynactin subunit 4 family.

Cellular localization Cytoplasm > cytoskeleton. Cytoplasm > cytoskeleton > centrosome. Has a punctate cytoplasmic distribution as well as centrosomal distribution typical of dynactin. Overexpression does not disrupt microtubule organization or the integrity of the Golgi but does cause both cytosolic and nuclear distribution, suggesting that this polypeptide may be targeted to the nucleus at very high expression levels.

Images



All lanes : Anti-DCTN4 antibody [EPR11223] (ab170107) at 1/1000 dilution

Lane 1 : U-87 MG (Human glioblastoma-astrocytoma epithelial cell line) cell lysate

Lane 2 : K562 cell lysate

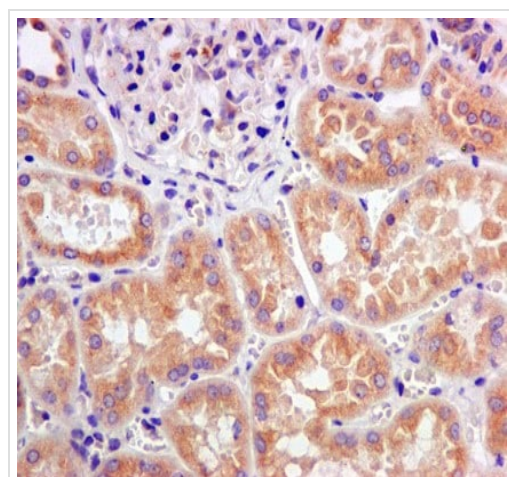
Lane 3 : HeLa cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

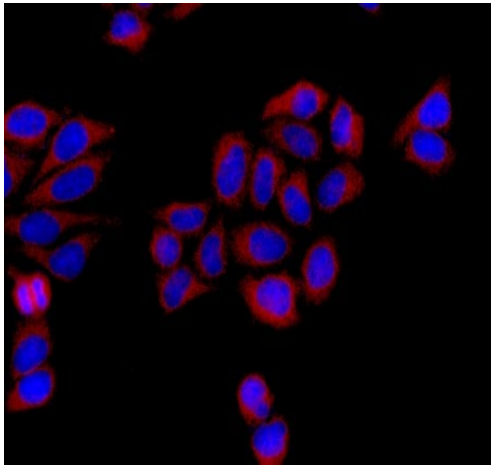
Predicted band size: 62 kDa



Immunohistochemical analysis of paraffin embedded Human kidney tissue labeling DCTN4 with ab170107 at a 1/50 dilution.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DCTN4 antibody [EPR11223] (ab170107)



Immunofluorescence analysis of HeLa cells labeling DCTN4 with ab170107 at a 1/100 dilution (red) plus Dapi staining (blue).

Immunocytochemistry/ Immunofluorescence - Anti-DCTN4 antibody [EPR11223] (ab170107)

Why choose a recombinant antibody?



Anti-DCTN4 antibody [EPR11223] (ab170107)

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