

Product datasheet

Anti-DCTN3 antibody [EPR5097] - BSA and Azide free ab232440

Recombinant RabMAb

[4 Images](#)

Overview

Product name	Anti-DCTN3 antibody [EPR5097] - BSA and Azide free
Description	Rabbit monoclonal [EPR5097] to DCTN3 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB, ICC/IF
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide within Human DCTN3 aa 100 to the C-terminus. The exact sequence is proprietary. Database link: O75935
Positive control	IHC-P: Human pancreas tissue.
General notes	Ab232440 is the carrier-free version of ab124674 . This format is designed for use in antibody labeling, including fluorochromes, metal isotopes, oligonucleotides, enzymes. Our carrier-free formats are supplied in a buffer free of BSA, sodium azide and glycerol for higher conjugation efficiency. Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold. ab232440 is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm. <i>Maxpar® is a trademark of Fluidigm Canada Inc.</i> Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMab® patents . This product is a recombinant rabbit monoclonal antibody .

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. Avoid freeze / thaw cycle.

Storage buffer	Constituent: PBS
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR5097
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab232440** in the following tested applications.

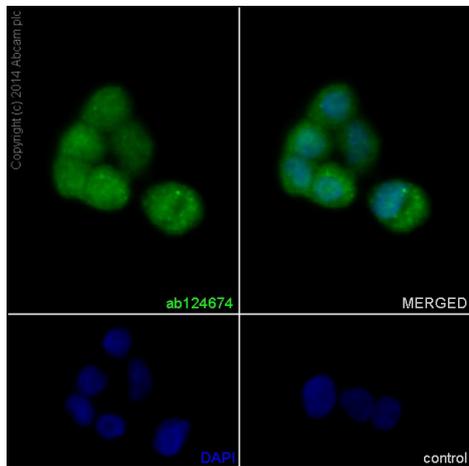
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol. See IHC antigen retrieval protocols .
WB		Use at an assay dependent concentration. Detects a band of approximately 21 kDa (predicted molecular weight: 21 kDa).
ICC/IF		Use at an assay dependent concentration.

Target

Function	Together with dynein may be involved in spindle assembly and cytokinesis.
Tissue specificity	Ubiquitously expressed. Highly expressed in muscle and pancreas and detected at lower levels in brain.
Sequence similarities	Belongs to the dynactin subunit 3 family.
Cellular localization	Cytoplasm. Cytoplasm > cytoskeleton > centrosome. Chromosome > centromere > kinetochore. Cytoplasm > cytoskeleton > spindle. Cleavage furrow. Midbody. Localizes to punctate cytoplasmic structures and to the centrosome during interphase, and to kinetochores and to spindle poles throughout mitosis. Colocalizes with dynein to the cleavage furrow and to midbody of dividing cells.

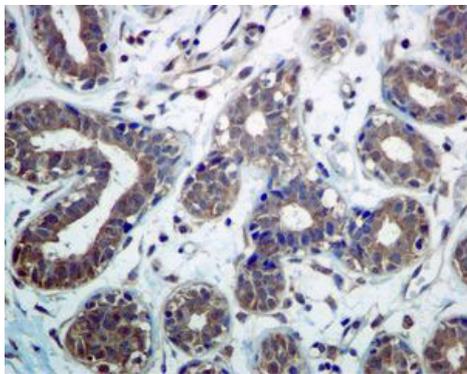
Images



Immunocytochemistry/ Immunofluorescence - Anti-DCTN3 antibody [EPR5097] - BSA and Azide free (ab232440)

Immunofluorescence staining of BxPC-3 cells with purified [ab124674](#) at a working dilution of 1 in 100, counter-stained with DAPI. The secondary antibody was Alexa Fluor® 488 goat anti rabbit ([ab150077](#)), used at a dilution of 1 in 500. The cells were fixed in 4% PFA and permeabilized using 0.1% Triton X 100. The negative control is shown in bottom right hand panel - for the negative control, purified [ab124674](#) was used at a dilution of 1/200 followed by an Alexa Fluor® 594 goat anti-mouse antibody ([ab15120](#)) at a dilution of 1/500.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab124674](#)).

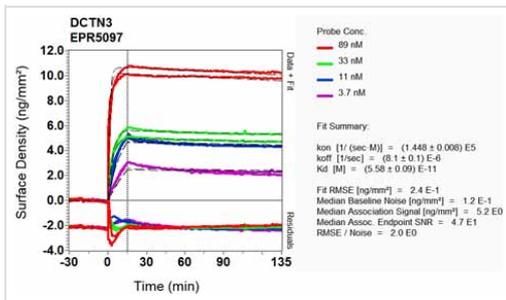


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DCTN3 antibody [EPR5097] - BSA and Azide free (ab232440)

Immunohistochemical staining of DCTN3 in paraffin embedded human breast tissue by unpurified [ab124674](#) at 1/100 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab124674](#)).

Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.



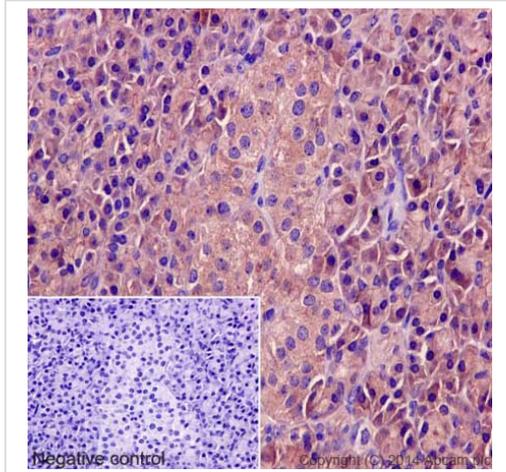
Other - Anti-DCTN3 antibody [EPR5097] - BSA and Azide free (ab232440)

Equilibrium dissociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab124674](#)).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DCTN3 antibody [EPR5097] - BSA and Azide free (ab232440)

Immunohistochemical staining of paraffin embedded human pancreas with purified [ab124674](#) at a working dilution of 1 in 100. The secondary antibody used is a HRP polymer for rabbit IgG. The sample is counter-stained with hematoxylin. Antigen retrieval was performed using Tris-EDTA buffer, pH 9.0. PBS was used instead of the primary antibody as the negative control, and is shown in the inset.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab124674](#)).

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