


Product datasheet

Anti-delta 1 Catenin/CAS (phospho T310) antibody [EPR2382] ab81318

Recombinant RabMAb

3 Images

Overview

Product name	Anti-delta 1 Catenin/CAS (phospho T310) antibody [EPR2382]
Description	Rabbit monoclonal [EPR2382] to delta 1 Catenin/CAS (phospho T310)
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P Unsuitable for: Flow Cyt or ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide within Human delta 1 Catenin/CAS (phospho T310). The exact sequence is proprietary.
Positive control	293T cell lysates treated with calyculin A Human breast carcinoma tissue
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
Purity	Protein A purified

Clonality	Monoclonal
Clone number	EPR2382
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab81318 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

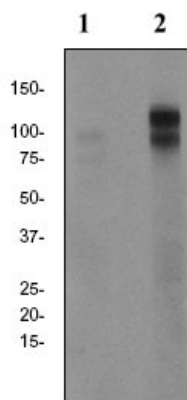
Application	Abreviews	Notes
WB		1/500 - 1/1000. Predicted molecular weight: 108 kDa.
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Application notes Is unsuitable for Flow Cyt or ICC/IF.

Target

Function	Binds to and inhibits the transcriptional repressor ZBTB33, which may lead to activation of target genes of the Wnt signaling pathway (By similarity). May associate with and regulate the cell adhesion properties of both C- and E-cadherins. Implicated both in cell transformation by SRC and in ligand-induced receptor signaling through the EGF, PDGF, CSF-1 and ERBB2 receptors. Promotes GLIS2 C-terminal cleavage.
Tissue specificity	Expressed in vascular endothelium.
Sequence similarities	Belongs to the beta-catenin family. Contains 10 ARM repeats.
Domain	A possible nuclear localization signal exists in all isoforms where Asp-626--631-Arg are deleted.
Post-translational modifications	Phosphorylated by protein-tyrosine kinases. Dephosphorylated by PTPRJ.
Cellular localization	Cytoplasm. Nucleus. Cell membrane. Interaction with GLIS2 promotes nuclear translocation (By similarity). NANOS1 induces its translocation from sites of cell-cell contact to the cytoplasm.

Images



Western blot - Anti-delta 1 Catenin/CAS (phospho T310) antibody [EPR2382] (ab81318)

All lanes : Anti-delta 1 Catenin/CAS (phospho T310) antibody [EPR2382] (ab81318) at 1/5000 dilution

Lane 1 : 293T cell lysates untreated

Lane 2 : 293T cell lysates treated with calyculin A

Lysates/proteins at 10 µg per lane.

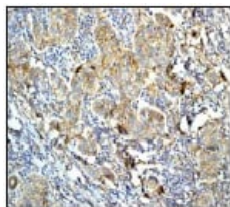
Secondary

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

Predicted band size: 108 kDa

Observed band size: 108 kDa

Additional bands at: 120 kDa. We are unsure as to the identity of these extra bands.




Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-delta 1 Catenin/CAS (phospho T310) antibody [EPR2382] (ab81318)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma using ab81318 at 1/100 dilution.

Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.

Why choose a recombinant antibody?



- Research with confidence**
Consistent and reproducible results
- Long-term and scalable supply**
Recombinant technology
- Success from the first experiment**
Confirmed specificity
- Ethical standards compliant**
Animal-free production

Anti-delta 1 Catenin/CAS (phospho T310) antibody
[EPR2382] (ab81318)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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