

Product datasheet

Anti-delta 1 Catenin/CAS (phospho T916) antibody [EPR2383] α b79400

Recombinant RabMAb

3 Images

Overview

Product name	Anti-delta 1 Catenin/CAS (phospho T916) antibody [EPR2383]
Description	Rabbit monoclonal [EPR2383] to delta 1 Catenin/CAS (phospho T916)
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P Unsuitable for: Flow Cyt or IP
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	293T cell lysates treated with calyculin A; human ovarian carcinoma tissue.
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> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	<p>pH: 7.20</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant</p>
Purity	Protein A purified

Clonality	Monoclonal
Clone number	EPR2383
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab79400 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		
IHC-P		

Application notes

ICC: 1/100 - 1/250.

IHC-P: 1/100 - 1/250. Antigen retrieval is recommended.

WB: 1/5000 - 1/50000. Detects a band of approximately 108 kDa (predicted molecular weight: 108 kDa).

Is unsuitable for Flow Cyt or IP.

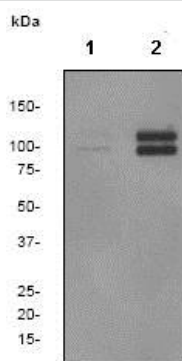
Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

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 T916) antibody [EPR2383] (ab79400)

All lanes : Anti-delta 1 Catenin/CAS (phospho T916) antibody [EPR2383] (ab79400) at 1/50000 dilution

Lane 1 : 293T cell lysates, untreated

Lane 2 : 293T cell lysates, treated with calyculin A

Lysates/proteins at 10 µg per lane.

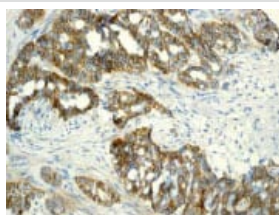
Secondary

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

Predicted band size: 108 kDa

Observed band size: 108 kDa

Additional bands at: 100 kDa (possible isoform)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-delta 1 Catenin/CAS (phospho T916) antibody [EPR2383] (ab79400)

ab79400 at 1/100 dilution staining delta 1 Catenin/CAS in human ovarian carcinoma by Immunohistochemistry using paraffin-embedded tissue.

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 T916) antibody [EPR2383] (ab79400)

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