

Product datasheet

Anti-delta 1 Catenin/CAS (phospho S268) antibody [EPR2380] - BSA and Azide free ab247506

Recombinant RabMAb

4 Images

Overview

Product name	Anti-delta 1 Catenin/CAS (phospho S268) antibody [EPR2380] - BSA and Azide free
Description	Rabbit monoclonal [EPR2380] to delta 1 Catenin/CAS (phospho S268) - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, IHC-P, WB Unsuitable for: Flow Cyt or IP
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>ab247506 is the carrier-free version of ab79545.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>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.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <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</p>

these species. Please contact us for more information.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR2380
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab247506 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
ICC/IF		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
WB		Use at an assay dependent concentration. Detects a band of approximately 90-120 kDa (predicted molecular weight: 108 kDa).

Application notes Is unsuitable for Flow Cyt or IP.

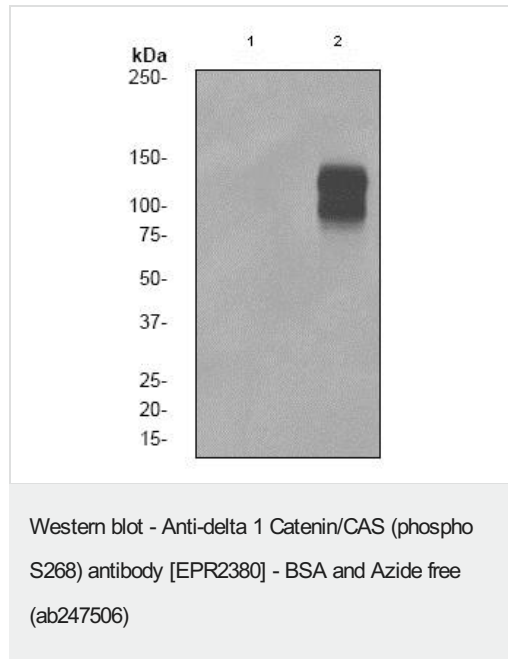
Target

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



All lanes : Anti-delta 1 Catenin/CAS (phospho S268) antibody [EPR2380] ([ab79545](#)) at 1/5000 dilution

Lane 1 : HeLa cell lysate

Lane 2 : HeLa cell lysate treated with Calyculin A

Lysates/proteins at 10 µg per lane.

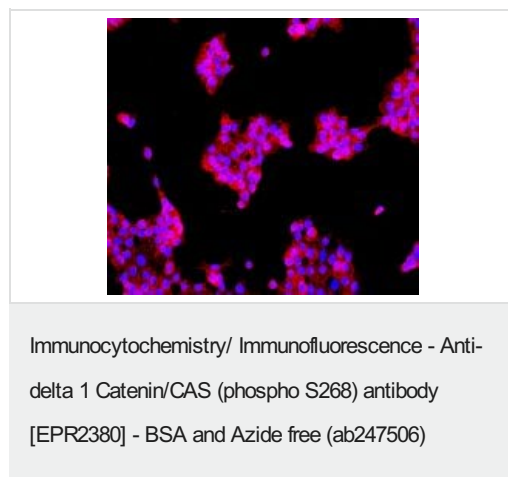
Secondary

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

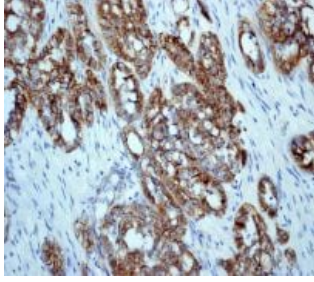
Predicted band size: 108 kDa

Observed band size: 90-120 kDa

This data was developed using [ab79545](#), the same antibody clone in a different buffer formulation.



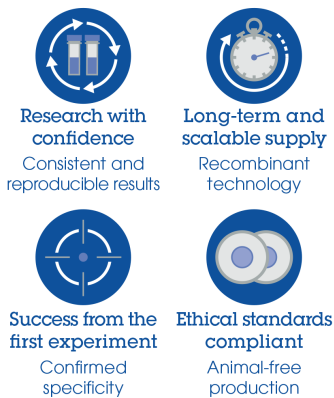
This data was developed using [ab79545](#), the same antibody clone in a different buffer formulation. Immunofluorescent staining of delta 1 Catenin/CAS in A431 cells using [ab79545](#) at 1/100 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-delta 1 Catenin/CAS (phospho S268) antibody [EPR2380] - BSA and Azide free (ab247506)

This data was developed using **ab79545**, the same antibody clone in a different buffer formulation. **ab79545** at 1/100 dilution staining delta 1 Catenin/CAS in paraffin-embedded human breast carcinoma tissue by Immunohistochemistry. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Why choose a recombinant antibody?



Anti-delta 1 Catenin/CAS (phospho S268) antibody [EPR2380] - BSA and Azide free (ab247506)

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

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