abcam

Product datasheet

Anti-delta 1 Catenin/CAS antibody [SP63] - BSA and Azide free ab236441

Recombinant RabMAb

13 Images

Overview

Product name	Anti-delta 1 Catenin/CAS antibody [SP63] - BSA and Azide free
Description	Rabbit monoclonal [SP63] to delta 1 Catenin/CAS - BSA and Azide free
Host species	Rabbit
Tested applications	**Suitable for:** IHC-P, ICC/IF, Flow Cyt
Species reactivity	**Reacts with:** Human **Predicted to work with:** Mouse, Rat, Chicken, Cow, Pig
Immunogen	Synthetic peptide within Human delta 1 Catenin/CAS aa 850-950 (C terminal). The exact sequence is proprietary. Database link: O60716
Positive control	IHC-P: Human breast carcinoma, breast ductal cell carcinoma, bladder transitional cell carcinoma, cervical squamous cell carcinoma, cervix, colon adenocarcinoma, endometrium adenocarcinoma, hepatocellular carcinoma, stomach adenocarcinoma, prostate adenocarcinoma and esophagus tissues. ICC/IF: A431 cells. Flow Cyt: A431 cells.
General notes	ab236441 is the carrier-free version of ab227638. 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. ab236441 is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm. *Maxpar® is a trademark of Fluidigm Canada Inc.* This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here.

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.
Purity	Protein A/G purified
Purification notes	Purified from TCS by protein A/G.
Clonality	Monoclonal
Clone number	SP63
Isotype	IgG

Applications

Our Abpromise guarantee covers the use of **ab236441** in the following tested applications.

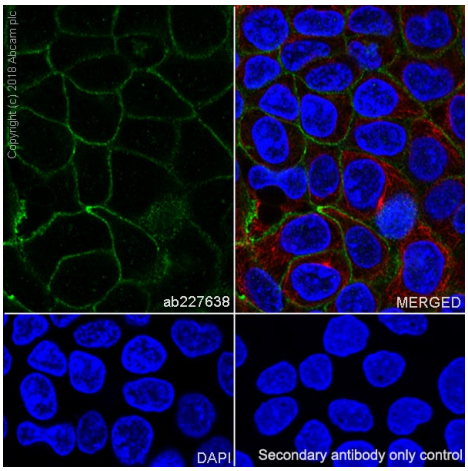
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. Perform heat mediated antigen retrieval with EDTA buffer pH 6.0 before commencing with IHC staining protocol. Primary antibody incubation for 30 minutes at room temperature.
ICC/IF		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration.

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.

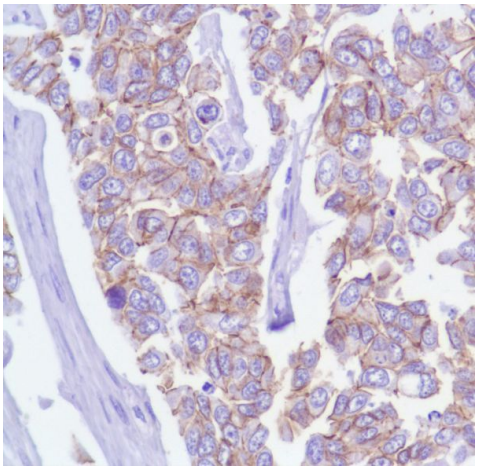
Images



Immunocytochemistry/ Immunofluorescence - Anti-delta 1 Catenin/CAS antibody [SP63] - BSA and Azide free (ab236441)

Immunocytochemistry/ Immunofluorescence analysis of A431 (human epidermoid carcinoma epithelial cell) cells labeling delta 1 Catenin/CAS with purified ab227638. Cells were fixed in 100% Methanol. Cells were counterstained with ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594). Goat anti rabbit IgG (Alexa Fluor® 488, ab150077) was used as the secondary antibody. DAPI was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.

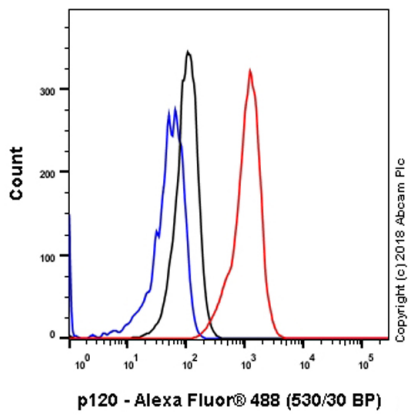
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and sodium azide (ab227638).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-delta 1 Catenin/CAS antibody [SP63] - BSA and Azide free (ab236441)

Formalin-fixed, paraffin-embedded human breast carcinoma tissue stained for delta 1 Catenin/CAS using ab227638 at 1/100 dilution in immunohistochemical analysis.

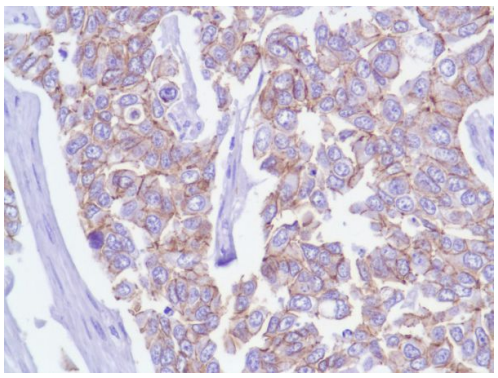
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and sodium azide (ab227638).



Flow Cytometry - Anti-delta 1 Catenin/CAS antibody [SP63] - BSA and Azide free (ab236441)

Flow cytometry analysis of A431 (human epidermoid carcinoma epithelial cell) labeling delta 1 Catenin/CAS with purified ab227638 at (red). Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. Goat anti rabbit IgG (Alexa Fluor® 488, ab150077) was used as a secondary antibody. Isotype control -Rabbit monoclonal IgG (ab172730) / Black. Unlableled control -Unlabelled cells / blue.

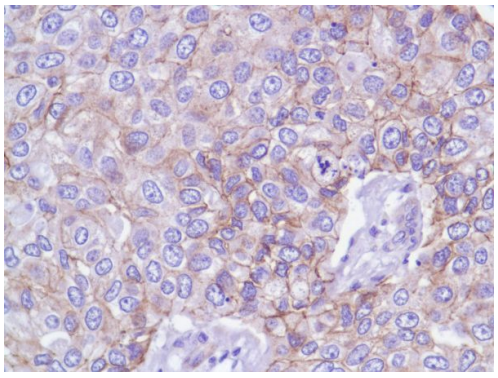
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and sodium azide (ab227638).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-delta 1 Catenin/CAS antibody [SP63] - BSA and Azide free (ab236441)

Formalin-fixed, paraffin-embedded human breast ductal cell carcinoma tissue stained for delta 1 Catenin/CAS using ab227638 at 1/100 dilution in immunohistochemical analysis.

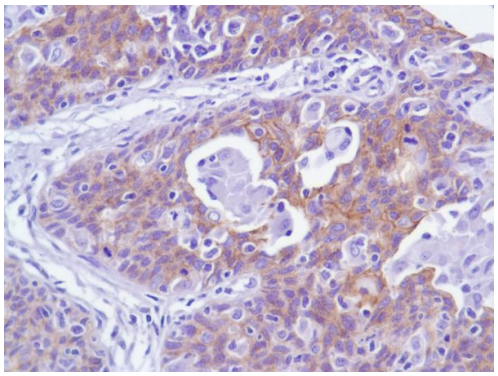
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab227638).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-delta 1 Catenin/CAS antibody [SP63] - BSA and Azide free (ab236441)

Formalin-fixed, paraffin-embedded human bladder transitional cell carcinoma tissue stained for delta 1 Catenin/CAS using ab227638 at 1/100 dilution in immunohistochemical analysis.

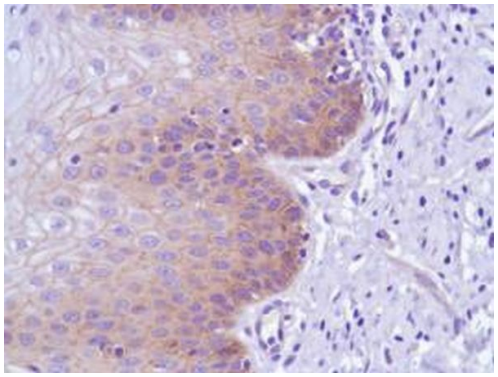
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab227638).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-delta 1 Catenin/CAS antibody [SP63] - BSA and Azide free (ab236441)

Formalin-fixed, paraffin-embedded human cervical squamous cell carcinoma tissue stained for delta 1 Catenin/CAS using ab227638 at 1/100 dilution in immunohistochemical analysis.

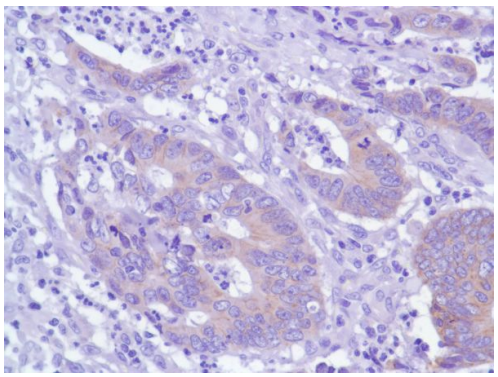
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab227638).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-delta 1 Catenin/CAS antibody [SP63] - BSA and Azide free (ab236441)

Formalin-fixed, paraffin-embedded human cervix tissue stained for delta 1 Catenin/CAS using ab227638 at 1/100 dilution in immunohistochemical analysis.

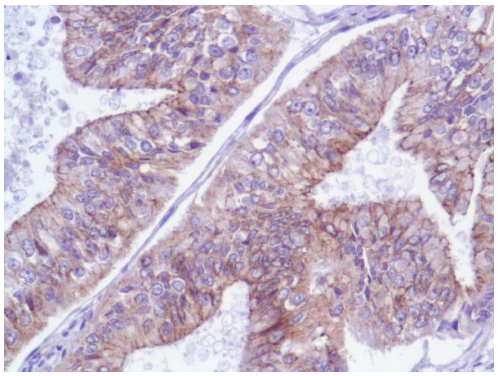
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab227638).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-delta 1 Catenin/CAS antibody [SP63] - BSA and Azide free (ab236441)

Formalin-fixed, paraffin-embedded human colon adenocarcinoma tissue stained for delta 1 Catenin/CAS using ab227638 at 1/100 dilution in immunohistochemical analysis.

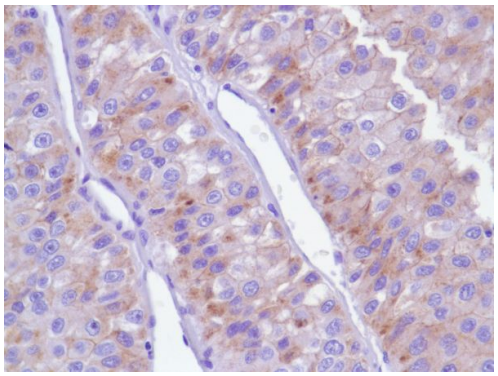
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab227638).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-delta 1 Catenin/CAS antibody [SP63] - BSA and Azide free (ab236441)

Formalin-fixed, paraffin-embedded human endometrium adenocarcinoma tissue stained for delta 1 Catenin/CAS using ab227638 at 1/100 dilution in immunohistochemical analysis.

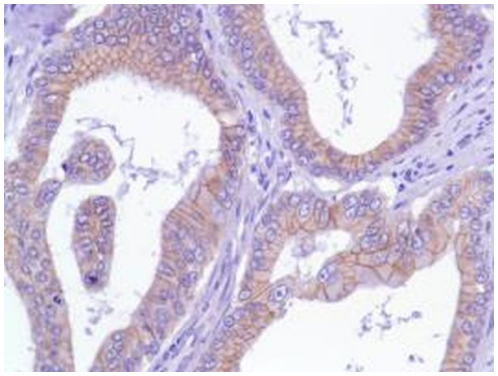
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab227638).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-delta 1 Catenin/CAS antibody [SP63] - BSA and Azide free (ab236441)

Formalin-fixed, paraffin-embedded human hepatocellular carcinoma tissue stained for delta 1 Catenin/CAS using ab227638 at 1/100 dilution in immunohistochemical analysis.

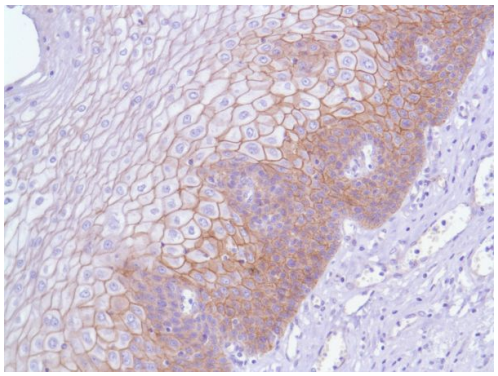
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab227638).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-delta 1 Catenin/CAS antibody [SP63] - BSA and Azide free (ab236441)

Formalin-fixed, paraffin-embedded human stomach adenocarcinoma tissue stained for delta 1 Catenin/CAS using ab227638 at 1/100 dilution in immunohistochemical analysis.

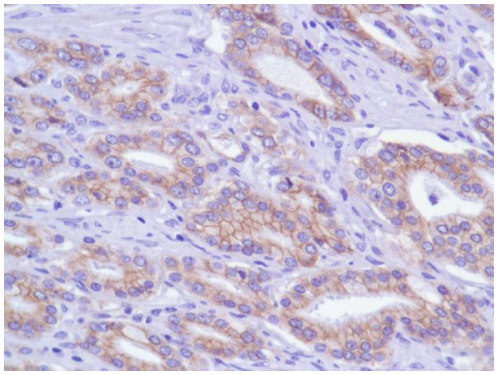
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab227638).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-delta 1 Catenin/CAS antibody [SP63] - BSA and Azide free (ab236441)

Formalin-fixed, paraffin-embedded human esophagus tissue stained for delta 1 Catenin/CAS using ab227638 at 1/100 dilution in immunohistochemical analysis.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab227638).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-delta 1 Catenin/CAS antibody [SP63] - BSA and Azide free (ab236441)

Formalin-fixed, paraffin-embedded human prostate adenocarcinoma tissue stained for delta 1 Catenin/CAS using ab227638 at 1/100 dilution in immunohistochemical analysis.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab227638).

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