abcam

Product datasheet

Anti-delta 1 Catenin/CAS antibody [EPR357(2)] ab92514

リコンビナント RabMAb

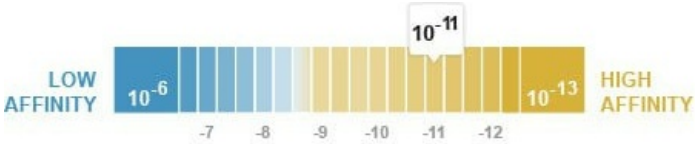
★★★★★ 10 Abreviews 17 References 画像数 8

製品の概要

製品名	Anti-delta 1 Catenin/CAS antibody [EPR357(2)]
製品の詳細	Rabbit monoclonal [EPR357(2)] to delta 1 Catenin/CAS
由来種	Rabbit
特異性	The mouse recommendation is based on the WB results. We do not guarantee IHC-P for mouse.
アプリケーション	**適用あり:** WB, IHC-P, Flow Cyt (Intra), ICC/IF
種交差性	**交差種:** Mouse, Human
免疫原	Synthetic peptide within Human delta 1 Catenin/CAS aa 950 to the C-terminus. The exact sequence is proprietary.
ポジティブ・コントロール	WB: HeLa, HEK-293T, RAW264.7, C2C12 and A431 cell lysates. IHC-P: Human breast carcinoma, ovarian cancer and colonic adenocarcinoma tissues. ICC/IF: A431 cells. Flow Cyt (intra): A431 cells.
特記事項	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**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
解離定数（K_D 値）	K_D = 7.40 x 10^{-11} M



Learn more about K_D

バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR357(2)
アイソタイプ	IgG

アプリケーション

The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab92514の使用に適用されます

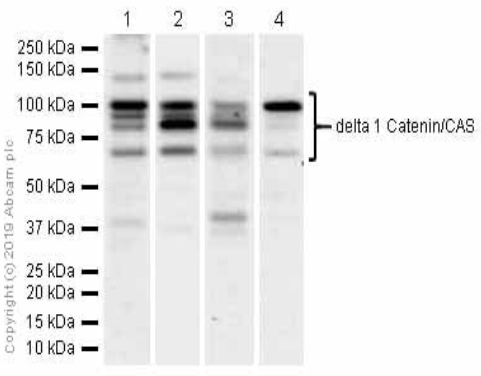
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB	★★★★★ (6)	1/1000 - 1/10000. Predicted molecular weight: 108 kDa.
IHC-P		1/50. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. Antigen retrieval and the use of an HRP/AP polymerized secondary antibody is recommended for enhanced staining. See IHC antigen retrieval protocols. **For unpurified use at 1/100 - 1/250.**
Flow Cyt (Intra)		1/20.
ICC/IF	★★★★★ (3)	1/100 - 1/250.

ターゲット情報

機能	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.
組織特異性	Expressed in vascular endothelium.
配列類似性	Belongs to the beta-catenin family. Contains 10 ARM repeats.
ドメイン	A possible nuclear localization signal exists in all isoforms where Asp-626--631-Arg are deleted.
翻訳後修飾	Phosphorylated by protein-tyrosine kinases. Dephosphorylated by PTPRJ.
細胞内局在	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.

画像



Western blot - Anti-delta 1 Catenin/CAS antibody [EPR357(2)] (ab92514)

All lanes : Anti-delta 1 Catenin/CAS antibody [EPR357(2)] (ab92514) at 1/1000 dilution (Purified)

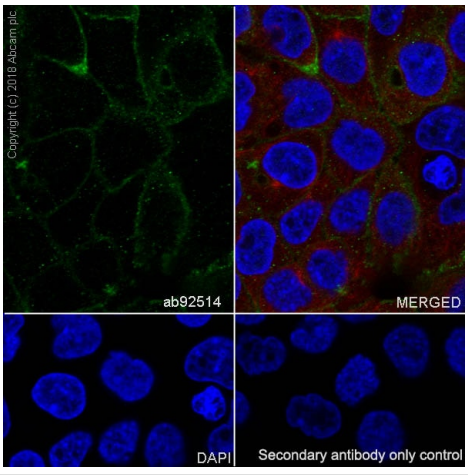
Lane 1 : HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2 : HEK-293 (Human epithelial cell line from embryonic kidney) whole cell lysates
Lane 3 : RAW264.7 (Mouse Abelson murine leukemia virus-induced tumor macrophage) whole cell lysates
Lane 4 : C2C12 (Mouse myoblasts myoblast) whole cell lysates

Lysates/proteins at 15 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

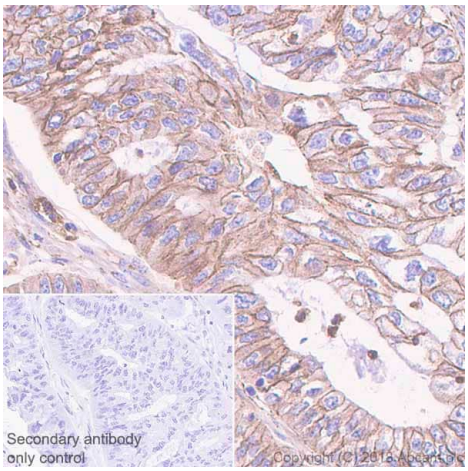
Predicted band size: 108 kDa
Observed band size: 70-120 kDa

The multiple bands are isoforms caused by alternatively splicing as was described in PMID 9653641 and are consistent with what has been descirbed in PMID 15077190.



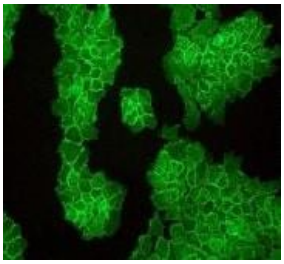
Immunocytochemistry/ Immunofluorescence - Anti-delta 1 Catenin/CAS antibody [EPR357(2)] (ab92514)

Immunocytochemistry/ Immunofluorescence analysis of A431 (Human epidermoid carcinoma epithelial cell) cells labeling delta 1 Catenin/CAS with purified ab92514 at 1:50 dilution (2.2 µg/ml). Cells were fixed in 4% Paraformaldehyde and permeabilized with 0.1% tritonX-100. Cells were counterstained with **ab195889** Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1:200 (2.5 µg/ml). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1:1000 (2 µg/ml) dilution. DAPI (blue) was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



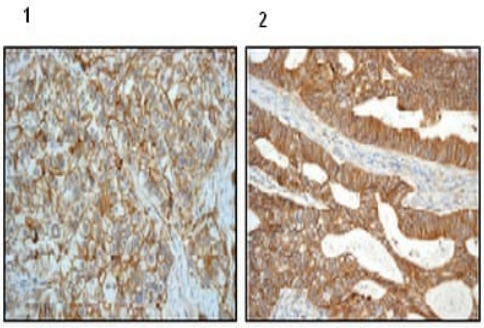
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-delta 1 Catenin/CAS antibody [EPR357(2)] (ab92514)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human ovarian cancer tissue sections labeling delta 1 Catenin/CAS with purified ab92514 at 1:50 dilution (1.84 µg/ml). Heat mediated antigen retrieval was performed using **ab93684** (Tris/EDTA buffer, pH 9.0). ImmunoHistoProbe one step HRP Polymer (ready to use) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.



Immunocytochemistry/ Immunofluorescence - Anti-delta 1 Catenin/CAS antibody [EPR357(2)] (ab92514)

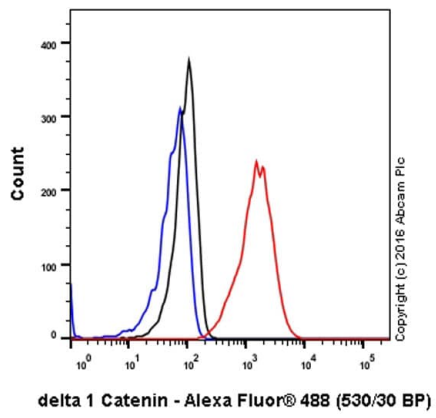
A431 (Human epidermoid carcinoma cell line) cells stained for delta 1 Catenin/CAS using unpurified ab92514 at a dilution of 1/100 in ICC/IF.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-delta 1 Catenin/CAS antibody [EPR357(2)] (ab92514)

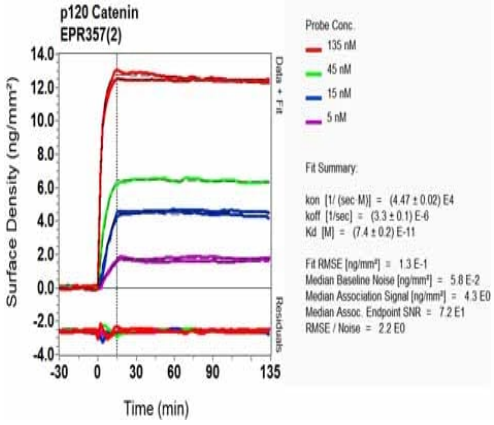
Paraffin embedded human breast carcinoma tissue (panel 1) and human colonic adenocarcinoma tissue (panel 2) labeled with unpurified ab92514 at 1/100 dilution.

Heat mediated antigen retrieval was performed with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Flow Cytometry (Intracellular) - Anti-delta 1 Catenin/CAS antibody [EPR357(2)] (ab92514)

Intracellular Flow Cytometry analysis of A431 (human epidermoid carcinoma) cells labeling delta 1 Catenin/CAS with unpurified ab92514 at 1/20 dilution (10µg/ml) (Red). Cells were fixed with 4% paraformaldehyde and permeabilized with 90% methanol. A Goat anti rabbit IgG (Alexa Fluor® 488) (1/2000 dilution) was used as the secondary antibody. Rabbit monoclonal IgG (Black) was used as the isotype control, cells without incubation with primary antibody and secondary antibody (Blue) was used as the unlabeled control.



OI-RD Scanning - Anti-delta 1 Catenin/CAS antibody [EPR357(2)] (ab92514)

Equilibrium disassociation constant (K_D)

Learn more about K_D

Click here to learn more about K_D

Anti-delta 1 Catenin/CAS antibody [EPR357(2)]

(ab92514)

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