abcam

Product datasheet

Anti-Presenilin 2/AD5 antibody [APS 26] ab15549

2 References 画像数 5

製品の概要

製品名	Anti-Presenilin 2/AD5 antibody [APS 26]
製品の詳細	Mouse monoclonal [APS 26] to Presenilin 2/AD5
由来種	Mouse
特異性	No cross-reactivity is seen with presenilin 1.
アプリケーション	**適用あり:** IHC-P, WB, ICC
種交差性	**交差種:** Mouse, Human **交差が予測される動物種:** Cow, Pig, Non human primates
免疫原	Synthetic peptide corresponding to Human Presenilin 2/AD5 aa 317-334. Sequence: LPYDPEMEEDSYDSFGEP Run BLAST with Run BLAST with
ポジティブ・コントロール	RAW cells.
特記事項	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
バッファー	Preservative: 0.05% Sodium azide Constituents: 99% PBS, 0.1% BSA
精製度	Protein G purified
ポリ/モノ	モノクローナル
クローン名	APS 26

アイソタイプ	IgG1

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ab15549の使用に適用されます**

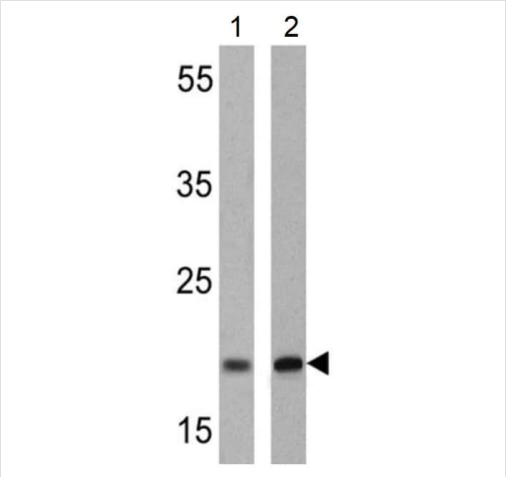
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IHC-P		1/20.
WB		1/200. Predicted molecular weight: 50 kDa.
ICC		Use at an assay dependent concentration.

ターゲット情報

機能	Probable catalytic subunit of the gamma-secretase complex, an endoprotease complex that catalyzes the intramembrane cleavage of integral membrane proteins such as Notch receptors and APP (beta-amyloid precursor protein). Requires the other members of the gamma-secretase complex to have a protease activity. May play a role in intracellular signaling and gene expression or in linking chromatin to the nuclear membrane. May function in the cytoplasmic partitioning of proteins.
組織特異性	Isoform 1 is seen in the placenta, skeletal muscle and heart while isoform 2 is seen in the heart, brain, placenta, liver, skeletal muscle and kidney.
関連疾患	Defects in PSEN2 are the cause of Alzheimer disease type 4 (AD4) [MIM:606889]. AD is an autosomal dominant Alzheimer disease. Alzheimer disease is a neurodegenerative disorder characterized by progressive dementia, loss of cognitive abilities, and deposition of fibrillar amyloid proteins as intraneuronal neurofibrillary tangles, extracellular amyloid plaques and vascular amyloid deposits. The major constituent of these plaques is the neurotoxic amyloid-beta-APP 40-42 peptide (s), derived proteolytically from the transmembrane precursor protein APP by sequential secretase processing. The cytotoxic C-terminal fragments (CTFs) and the caspase-cleaved products such as C31 derived from APP, are also implicated in neuronal death. Defects in PSEN2 are the cause of cardiomyopathy dilated type 1V (CMD1V) [MIM:613697]. It is a disorder characterized by ventricular dilation and impaired systolic function, resulting in congestive heart failure and arrhythmia. Patients are at risk of premature death.
配列類似性	Belongs to the peptidase A22A family.
ドメイン	The PAL motif is required for normal active site conformation.
翻訳後修飾	Heterogeneous proteolytic processing generates N-terminal and C-terminal fragments. Phosphorylated on serine residues.
細胞内局在	Endoplasmic reticulum membrane. Golgi apparatus membrane.

画像



Western blot - Anti-Presenilin 2/AD5 antibody [APS 26] (ab15549)

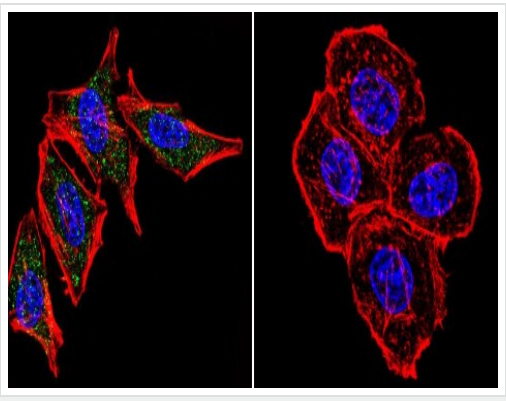
All lanes : Anti-Presenilin 2/AD5 antibody [APS 26] (ab15549) at 1/200 dilution

Lane 1 : Human brain lysate
Lane 2 : L-929 (mouse connective tissue fibroblast cell line) whole cell lysate

Lysates/proteins at 25 µg per lane.

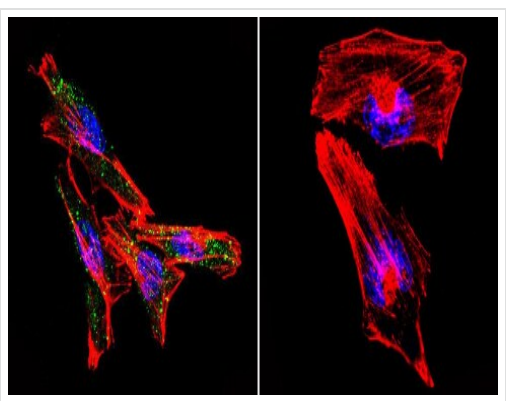
Secondary
All lanes : HRP-conjugated secondary antibody

Predicted band size: 50 kDa



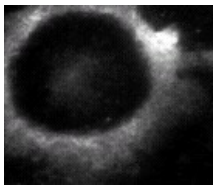
Immunocytochemistry - Anti-Presenilin 2/AD5 antibody [APS 26] (ab15549)

Immunocytochemistry/Immunofluorescence analysis of HeLa cells labeling Presenilin 2/AD5 (green) with ab15549 at 1/20. F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue). Cells were fixed with formaldehyde and incubated with the primary antibody overnight at 4°C. A DyLight 488-conjugated secondary antibody was used. 60X magnification. Right - negative control.



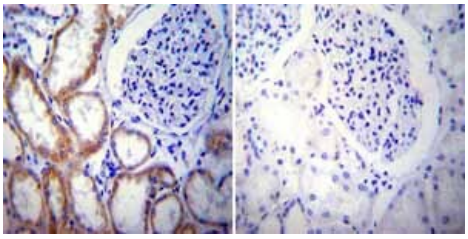
Immunocytochemistry - Anti-Presenilin 2/AD5 antibody [APS 26] (ab15549)

Immunocytochemistry/Immunofluorescence analysis of A2058 cells labeling Presenilin 2/AD5 (green) with ab15549 at 1/20. F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue). Cells were fixed with formaldehyde and incubated with the primary antibody overnight at 4°C. A DyLight 488-conjugated secondary antibody was used. 60X magnification. Right - negative control.



Immunocytochemistry - Anti-Presenilin 2/AD5 antibody [APS 26] (ab15549)

IF staining Presenilin 2/AD5 in Mouse fibroblasts using ab15549



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Presenilin 2/AD5 antibody [APS 26] (ab15549)

Immunohistochemistry was performed on normal biopsies of deparaffinized Human kidney tissue. To expose target proteins heat induced antigen retrieval was performed using 10mM sodium citrate (pH6.0) buffer microwaved for 8-15 minutes. Following antigen retrieval tissues were blocked in 3% BSA-PBS for 30 minutes at room temperature. Tissues were then probed at a dilution of 1:20 with a mouse monoclonal antibody recognizing Presenilin 2/AD5 ab15549 or without primary antibody (negative control) overnight at 4°C in a humidified chamber. Tissues were washed extensively with PBST and endogenous peroxidase activity was quenched with a peroxidase suppressor. Detection was performed using a biotin-conjugated secondary antibody and SA-HRP followed by colorimetric detection using DAB. Tissues were counterstained with hematoxylin and prepped for mounting.

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