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Product datasheet

Anti-ADAM23 antibody - Cytoplasmic domain ab28302

4 Abreviews 2 References 画像数 2

製品の概要

製品名	Anti-ADAM23 antibody - Cytoplasmic domain
製品の詳細	Rabbit polyclonal to ADAM23
由来種	Rabbit
アプリケーション	**適用あり:** WB, ICC/IF
種交差性	**交差種:** Rat, Human
免疫原	Synthetic peptide corresponding to Human ADAM23. Corresponding to the cytoplasmic domain of human ADAM23. Database link: **O75077**
ポジティブ・コントロール	ICC: PC12 cells. WB: Human brain tissue lysate. Rat cortex tissue lysate. Human brain amygdala tissue lysate (Alzheimer) membrane extract.
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 long term.
バッファー	pH: 7.40 Preservative: 0.05% Sodium azide Constituents: PBS, 50% Glycerol, 2.9% Sodium chloride
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
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ab28302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	(2)	Use at an assay dependent dilution. Detects a band of approximately 75 kDa (predicted molecular weight: 92 kDa). 1/1000 when using colorimetric substrates such as BCIP/NBT - 1/5000 for chemiluminescent substrates. EDTA/EGTA treatment of tissues or lysates is required to see latent zymogen.
ICC/IF	(1)	Use a concentration of 1 µg/ml.

ターゲット情報

関連性

ADAM23 is a non-catalytic metalloprotease-like protein. It is highly expressed in the brain, primarily in the amygdala, caudate nucleus, hypothalamus, thalamus, cerebral cortex and occipital pole, and weakly expressed in the heart. 3 isoforms are produced by alternative splicing, alpha, beta and gamma. ADAM23 may play a role in cell-cell and cell-matrix interactions.

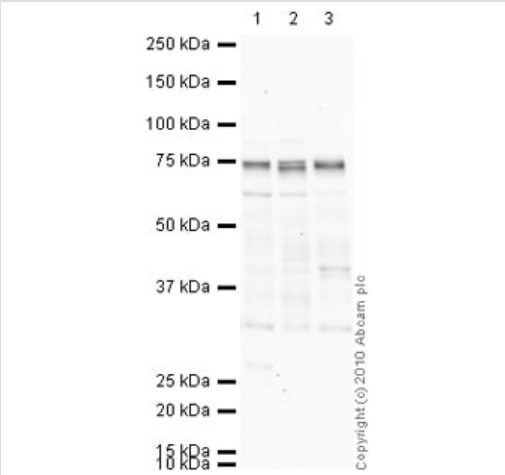
細胞内局在

Single pass type I membrane protein. 3 isoforms produced by alternative splicing, gamma isoform is secreted.

画像

Immunocytochemistry/ Immunofluorescence - Anti-ADAM23 antibody - Cytoplasmic domain (ab28302)

ICC/IF image of ab28302 stained PC12 cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1% BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilize the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab28302, 1 µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43 µM.



Western blot - Anti-ADAM23 antibody - Cytoplasmic domain (ab28302)

All lanes : Anti-ADAM23 antibody - Cytoplasmic domain (ab28302) at 1 µg/ml

Lane 1 : Human brain tissue lysate - total protein (**ab29466**)
Lane 2 : Rat Cortex Tissue Lysate
Lane 3 : Human brain amygdala tissue lysate (alzheimer) - membrane extract (**ab30118**)

Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) preadsorbed (**ab97080**) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 92 kDa
Observed band size: 75 kDa
Additional bands at: 33 kDa, 68 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 8 minutes

The bands observed at 75 kDa could potentially be a cleaved form of ADAM23 due to the presence of a signal peptide and propeptide.

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