

Anti-DREAM antibody ab61770

★★★★★ [1 Abreviews](#) [1 References](#) [画像数 3](#)

製品の概要

製品名	Anti-DREAM antibody
製品の詳細	Rabbit polyclonal to DREAM
由来種	Rabbit
アプリケーション	適用あり: ICC/IF, IHC-P, WB
種交差性	交差種: Human
免疫原	Synthetic peptide corresponding to Human DREAM (phospho S63). (D-S-SP-D-S)
ポジティブ・コントロール	Human brain tissue; extracts from A431 cells
特記事項	<p>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.</p> <p>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</p>

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.
バッファー	<p>pH: 7.40</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: PBS, 50% Glycerol (glycerin, glycerine), 0.87% Sodium chloride</p> <p>Without Mg2+ and Ca2+</p>
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ab61770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
ICC/IF		Use a concentration of 1 µg/ml.
IHC-P		1/50 - 1/100.
WB	★★★★★ (1)	1/500 - 1/1000. Detects a band of approximately 29 kDa (predicted molecular weight: 29 kDa).

ターゲット情報

機能

Calcium-dependent transcriptional repressor that binds to the DRE element of genes including PDYN and FOS. Affinity for DNA is reduced upon binding to calcium and enhanced by binding to magnesium. Seems to be involved in nociception.

Regulatory subunit of Kv4/D (Shal)-type voltage-gated rapidly inactivating A-type potassium channels, such as KCND2/Kv4.2 and KCND3/Kv4.3. Modulates channel expression at the cell membrane, gating characteristics, inactivation kinetics and rate of recovery from inactivation in a calcium-dependent and isoform-specific manner.

May play a role in the regulation of PSEN2 proteolytic processing and apoptosis. Together with PSEN2 involved in modulation of beta-amyloid formation.

組織特異性

Highly expressed in brain. Widely expressed at lower levels. Expression levels are elevated in brain cortex regions affected by Alzheimer disease.

配列類似性

Belongs to the recoverin family.

Contains 4 EF-hand domains.

翻訳後修飾

Palmitoylated. Palmitoylation enhances association with the plasma membrane.

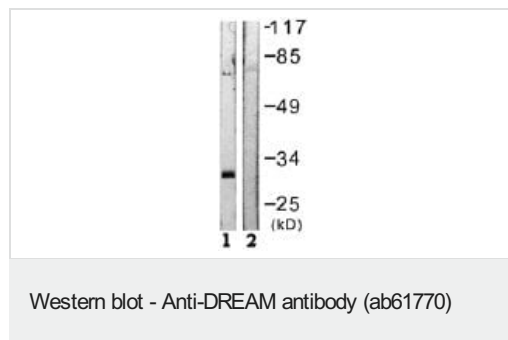
Proteolytically cleaved by caspase-3.

Phosphorylation at Ser-63 inhibits cleavage by CASP3.

細胞内局在

Cytoplasm. Cell membrane. Endoplasmic reticulum. Golgi apparatus. Nucleus. Also membrane-bound, associated with the plasma membrane (PubMed:15485870). In the presence of PSEN2 associated with the endoplasmic reticulum and Golgi. The sumoylated form is present only in the nucleus.

画像



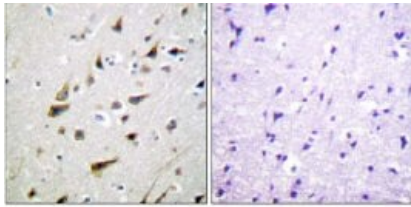
All lanes : Anti-DREAM antibody (ab61770) at 1/500 dilution

Lane 1 : extracts from A431 cells with no peptide

Lane 2 : extracts from A431 cells with peptide

Predicted band size: 29 kDa

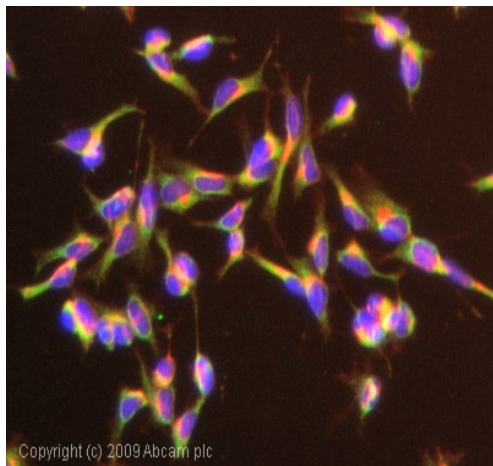
Observed band size: 29 kDa



Peptide - +

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DREAM antibody (ab61770)

Immunohistochemistry analysis of paraffin-embedded human brain tissue using ab61770 at a dilution of 1/50. left: untreated sample. Right: sample treated with immunising peptide.



Immunocytochemistry/ Immunofluorescence - Anti-DREAM antibody (ab61770)

ICC/IF image of ab61770 stained SHSY5Y cells. The cells were 100% methanol fixed (5 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab61770, 1µg/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 1.43µM.

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