

Anti-PIKE antibody ab21271

画像数 2

製品の概要

製品名	Anti-PIKE antibody
製品の詳細	Rabbit polyclonal to PIKE
由来種	Rabbit
特異性	Recognises PIKE: also detect both PIKE-L and PIKE-A isoforms.
アプリケーション	適用あり: IHC-P, WB
種交差性	交差種: Mouse
免疫原	Synthetic peptide corresponding to Human PIKE (C terminal).
ポジティブ・コントロール	Mouse brain cell lysates.
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 +4°C.
バッファー	pH: 7.2 Preservative: 0.02% Sodium azide Constituent: PBS
精製度	Protein A purified
特記事項(精製)	Purified by ion exchange chromatography.
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ab21271の使用に適用されます

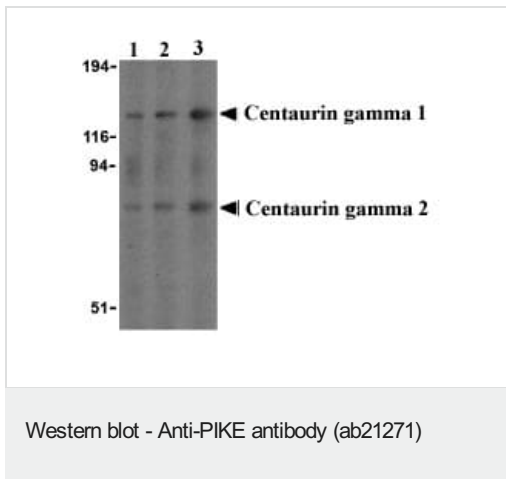
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IHC-P		Use a concentration of 10 µg/ml.
WB		Use a concentration of 0.5 - 1 µg/ml. Detects a band of approximately 150, 80 kDa (predicted molecular weight: 90 kDa).

ターゲット情報

機能	GTPase-activating protein (GAP) for ARF1 and ARF5, which also shows strong GTPase activity. Isoform 1 participates in the prevention of neuronal apoptosis by enhancing PI3 kinase activity. It aids the coupling of metabotropic glutamate receptor 1 (GRM1) to cytoplasmic PI3 kinase by interacting with Homer scaffolding proteins, and also seems to mediate anti-apoptotic effects of NGF by activating nuclear PI3 kinase. Isoform 2 does not stimulate PI3 kinase but may protect cells from apoptosis by stimulating Akt. It also regulates the adapter protein 1 (AP-1)-dependent trafficking of proteins in the endosomal system. It seems to be oncogenic. It is overexpressed in cancer cells, prevents apoptosis and promotes cancer cell invasion.
組織特異性	Isoform 1 is brain-specific. Isoform 2 is ubiquitously expressed, with highest levels in brain and heart.
配列類似性	Belongs to the centaurin gamma-like family. Contains 2 ANK repeats. Contains 1 Arf-GAP domain. Contains 1 PH domain.
ドメイン	G domain binds GTP and has GTPase activity. Arf-GAP domain interacts with G domain and may regulate its GTPase activity. Although both PH domains of isoforms 1 and 2 bind phospholipids, they differently regulate subcellular location. PH domain of isoform 1 directs the protein to the nucleus, but PH domain of isoform 2 directs it to the cytosol. PH domain of isoform 2 is required for binding to AP-1.
翻訳後修飾	Isoform PIKE-A is phosphorylated at Tyr-682 and Tyr-774 by FYN, preventing its apoptotic cleavage.
細胞内局在	Cytoplasm and Cytoplasm. Nucleus.

画像



Lane 1 : Anti-PIKE antibody (ab21271) at 0.5 µg/ml

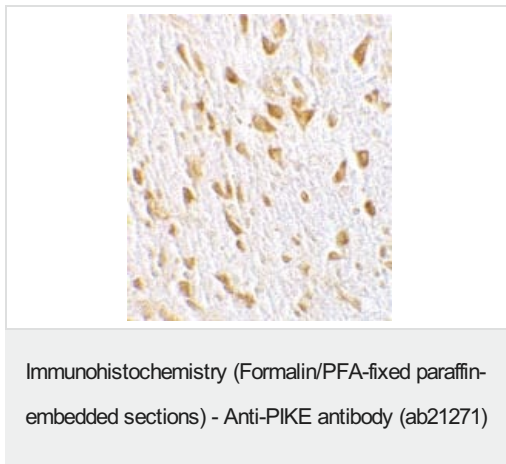
Lane 2 : Anti-PIKE antibody (ab21271) at 1 µg/ml

Lane 3 : Anti-PIKE antibody (ab21271) at 2 µg/ml

All lanes : Mouse brain cell lysate

Predicted band size: 90 kDa

Ab21271 at concentrations of 0.5 (lane A), 1 (lane B) and 2 µg/ml (lane C), staining PIKE-L and PIKE-A in mouse brain cell lysates by Western blot.



ab21271 at 10µg/ml staining PIKE in mouse brain tissue by IHC

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