

Product datasheet

Anti-FAK (phospho Y576 + Y577) antibody [EP1832Y] ab76244

リコンビナント RabMAb®

5 References 画像数 2

製品の概要

製品名	Anti-FAK (phospho Y576 + Y577) antibody [EP1832Y]
製品の詳細	Rabbit monoclonal [EP1832Y] to FAK (phospho Y576 + Y577)
由来種	Rabbit
特異性	Detects FAK phosphorylated at Y576/577.
アプリケーション	適用あり: WB, IP, ICC, Flow Cyt 適用なし: IHC-P
種交差性	交差種: Mouse, Human
免疫原	A phospho specific peptide corresponding to residues surrounding Tyrosine 576/577 of human FAK.
ポジティブ・コントロール	NIH-3T3 lysate treated with pervanadate.
特記事項	Rat: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb® patents](#)

This product is a recombinant rabbit monoclonal antibody.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
バッファー	PBS 49%, Sodium azide 0.01%, Glycerol 50%, BSA 0.05%
精製度	Tissue culture supernatant
ポリ/モノ	モノクローナル
クローン名	EP1832Y
アイソタイプ	IgG

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab76244** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
WB		1/50000 - 1/100000. Predicted molecular weight: 119 kDa.
IP		1/40.
ICC		1/50 - 1/100.
Flow Cyt		1/20. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

追加情報 Is unsuitable for IHC-P.

ターゲット情報

機能 Non-receptor protein-tyrosine kinase implicated in signaling pathways involved in cell motility, proliferation and apoptosis. Activated by tyrosine-phosphorylation in response to either integrin clustering induced by cell adhesion or antibody cross-linking, or via G-protein coupled receptor (GPCR) occupancy by ligands such as bombesin or lysophosphatidic acid, or via LDL receptor occupancy. Microtubule-induced dephosphorylation at Tyr-397 is crucial for the induction of focal adhesion disassembly. Plays a potential role in oncogenic transformations resulting in increased kinase activity.

組織特異性 Expressed in all organs tested, in lymphoid cell lines, but most abundantly in brain.

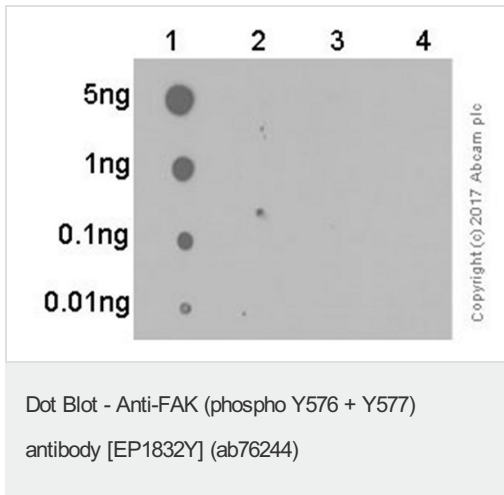
配列類似性 Belongs to the protein kinase superfamily. Tyr protein kinase family. FAK subfamily. Contains 1 FERM domain. Contains 1 protein kinase domain.

ドメイン The first Pro-rich domain interacts with the SH3 domain of CRK-associated substrate (BCAR1) and CASL. The carboxy-terminal region is the site of focal adhesion targeting (FAT) sequence which mediates the localization of FAK1 to focal adhesions.

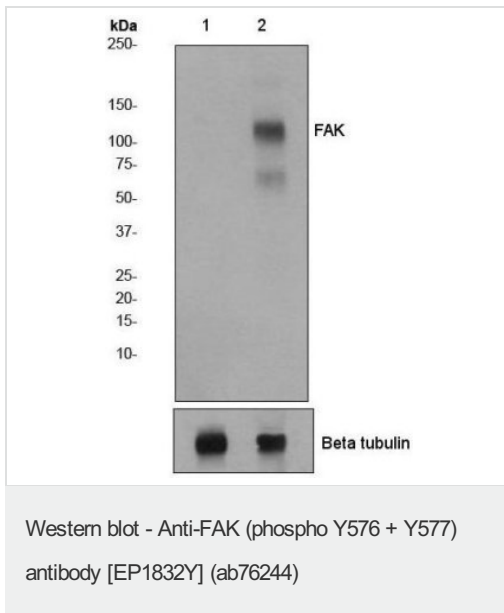
翻訳後修飾 Phosphorylated on 6 tyrosine residues upon activation. Microtubule-induced dephosphorylation at Tyr-397 could be catalyzed by PTPN11 and regulated by ZFYVE21. Dephosphorylated by PTPN11 upon EPHA2 activation by its ligand EFNA1.

細胞内局在 Cell junction > focal adhesion. Cell membrane. Constituent of focal adhesions.

画像



Anti-FAK (phospho Y576 + Y577) antibody [EP1832Y] (ab76244) Dot Blot. Primary ab dilution 1:1000, Secondary ab description and code (ab id), Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ab97051), Secondary ab dilution 1:100,000, Blocking buffer and concentration 5% NFDM/TBST, Diluting buffer and concentration 5% NFDM /TBST, Lane 1:FAK (pY576+pY577) phospho peptide, Lane 2:FAK (pY576) phospho peptide, Lane 3:FAK (pY577) phospho peptide, Lane 4:FAK non-phospho peptide, Exposure time 3 minutes. Note: antibody used for ab76244 is purified batch.



All lanes : Anti-FAK (phospho Y576 + Y577) antibody [EP1832Y] (ab76244) at 1/50000 dilution

Lane 1 : NIH-3T3 cell lysates, untreated

Lane 2 : NIH-3T3 cell lysates treated with pervanadate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP labelled goat anti-rabbit at 1/1000 dilution

Predicted band size: 119 kDa

Observed band size: 125 kDa

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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