


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

重组 RabMAb

13 References [3 图像](#)

概述

产品名称	Anti-FAK (phospho Y576 + Y577)抗体[EP1832Y]
描述	兔单克隆抗体[EP1832Y] to FAK (phospho Y576 + Y577)
宿主	Rabbit
经测试应用	适用于: WB, Dot blot 不适用于: IHC-P
种属反应性	与反应: Mouse 预测可用于: Human 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	NIH-3T3 lysate treated with pervanadate.
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Rat: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
存储溶液	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
纯度	Protein A purified

克隆	单克隆
克隆编号	EP1832Y
同种型	IgG

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab76244于以下的经测试应用**

“应用说明”部分下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/50000 - 1/100000. Predicted molecular weight: 119 kDa.
Dot blot		1/1000.

应用说明 Is unsuitable for IHC-P.

靶标

功能	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.
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组织特异性	Expressed in all organs tested, in lymphoid cell lines, but most abundantly in brain.
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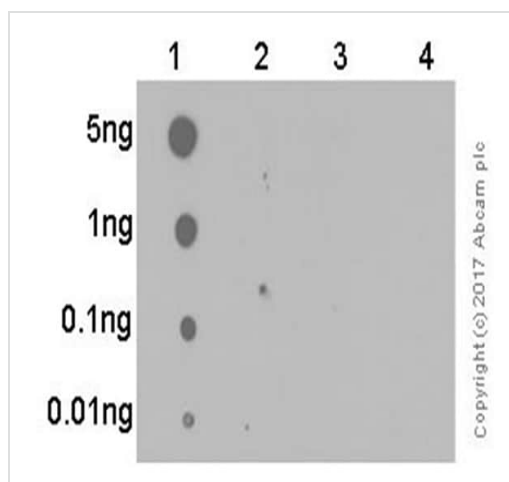
序列相似性	<p>Belongs to the protein kinase superfamily. Tyr protein kinase family. FAK subfamily.</p> <p>Contains 1 FERM domain.</p> <p>Contains 1 protein kinase domain.</p>
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结构域	<p>The first Pro-rich domain interacts with the SH3 domain of CRK-associated substrate (BCAR1) and CASL.</p> <p>The carboxy-terminal region is the site of focal adhesion targeting (FAT) sequence which mediates the localization of FAK1 to focal adhesions.</p>
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翻译后修饰	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.
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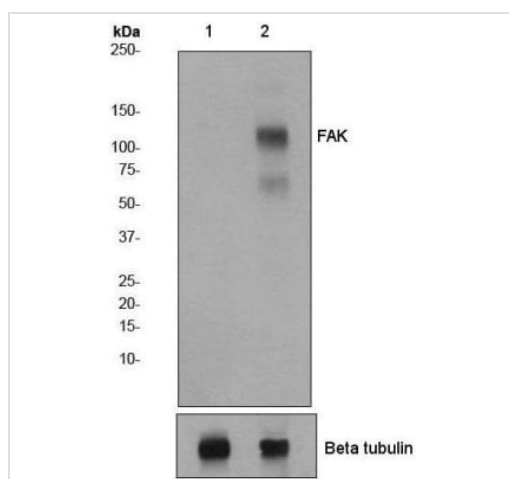
细胞定位 Cell junction > focal adhesion. Cell membrane. Constituent of focal adhesions.

图片



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

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.



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

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

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

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

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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