


Anti-FAK antibody [EP1831Y] ab76496

敲除验证 重组 RabMAb

7 References 4 图像

概述

产品名称	Anti-FAK抗体[EP1831Y]
描述	兔单克隆抗体[EP1831Y] to FAK
宿主	Rabbit
经测试应用	适用于: WB, IHC-P 不适用于: IP
种属反应性	与反应: Human 预测可用于: Mouse, Rat 
免疫原	Synthetic peptide within Human FAK aa 300-400. The exact sequence is proprietary.
阳性对照	WB: HeLa, A431 and HEK-293T cell lysate. IHC-P: human tonsil tissue.
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>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
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 EP1831Y

同种型 IgG

应用

The Abpromise guarantee **Abpromise™** 承诺保证使用ab76496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。

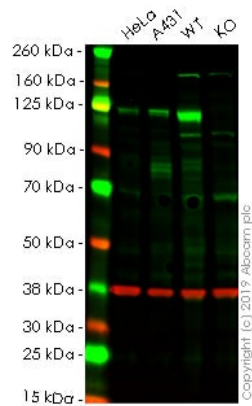
应用	Ab评论	说明
WB		1/500 - 1/2000. Predicted molecular weight: 119 kDa.
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

应用说明 Is unsuitable for IP.

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.
组织特异性	Expressed in all organs tested, in lymphoid cell lines, but most abundantly in brain.
序列相似性	Belongs to the protein kinase superfamily. Tyr protein kinase family. FAK subfamily. Contains 1 FERM domain. Contains 1 protein kinase domain.
结构域	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.
细胞定位	Cell junction > focal adhesion. Cell membrane. Constituent of focal adhesions.

图片



Western blot - Anti-FAK antibody [EP1831Y]
(ab76496)

All lanes : Anti-FAK antibody [EP1831Y] (ab76496) at 1/500 dilution

Lane 1 : HeLa cell lysate

Lane 2 : A431 cell lysate

Lane 3 : Wild-type HEK-293T cell lysate

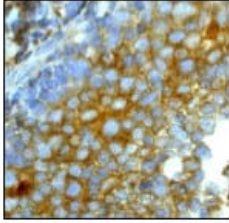
Lane 4 : PTK2 knockout HEK-293T cell lysate

Lysates/proteins at 20 µg per lane.

Predicted band size: 119 kDa

Lanes 1 - 4: Merged signal (red and green). Green - ab76496 observed at 119 kDa. Red - loading control, **ab8245** observed at 37 kDa.

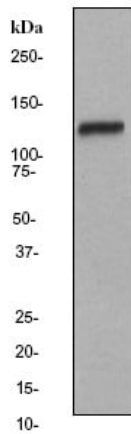
ab76496 was shown to react with FAK in wild-type HEK-293T cells. Loss of signal was observed when knockout cell line **ab255421** (knockout cell lysate **ab263766**) was used. Wild-type and FAK knockout samples were subjected to SDS-PAGE. ab76496 and Anti-GAPDH antibody [6C5] - Loading Control (**ab8245**) were incubated overnight at 4°C at 1 in 500 dilution and 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed (**ab216776**) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.



Immunohistochemical staining of paraffin-embedded human tonsils using 1/100 ab76496

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FAK antibody [EP1831Y] (ab76496)



Anti-FAK antibody [EP1831Y] (ab76496) at 1/500 dilution + HeLa cell lysate at 10 µg

Secondary

HRP labeled goat anti-rabbit at 1/1000 dilution

Predicted band size: 119 kDa

Western blot - Anti-FAK antibody [EP1831Y] (ab76496)

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 antibody [EP1831Y] (ab76496)

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

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