

Anti-FAK (phospho Y861) antibody [EP841Y] ab81293

重组 RabMAb

5 References **3 图像**

概述

产品名称	Anti-FAK (phospho Y861)抗体[EP841Y]
描述	兔单克隆抗体[EP841Y] to FAK (phospho Y861)
宿主	Rabbit
经测试应用	适用于: WB 不适用于: Flow Cyt, ICC/IF, IHC-P or IP
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Jurkat cell; NIH/3T3; C6 (Rat glial tumor glial cell) lysates treated with pervanadate.
常规说明	The production method for this product has been changed from hybridoma to recombinant on 15th April 2024. This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

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), 59% PBS
纯度	Protein A purified
克隆	单克隆
克隆编号	EP841Y

同种型

IgG

应用

The Abpromise guarantee **Abpromise™** 承诺保证使用 ab81293 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		1/5000. Predicted molecular weight: 119 kDa.

应用说明

Is unsuitable for Flow Cyt, ICC/IF, IHC-P or 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.

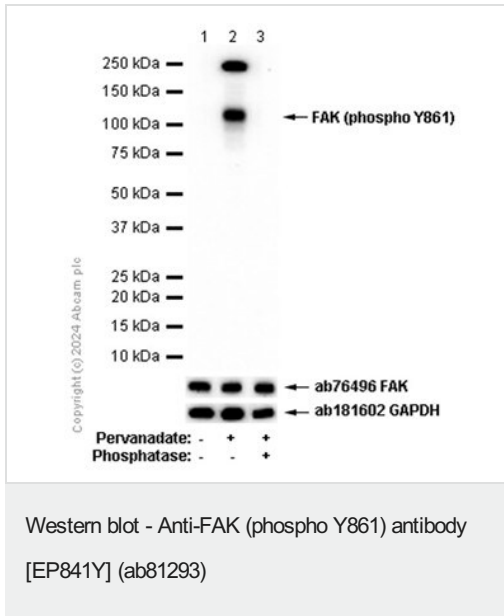
翻译后修饰

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



All lanes : Anti-FAK (phospho Y861) antibody [EP841Y] (ab81293) at 1/1000 dilution

Lane 1 : Untreated C6 (Rat glial tumor glial cell) whole cell lysate

Lane 2 : C6 treated with 10mM pervanadate for 60mins whole cell lysate

Lane 3 : C6 treated with 10mM pervanadate for 60mins whole cell lysate, then the membrane treated with phosphatase

Lysates/proteins at 15 µg per lane.

Secondary

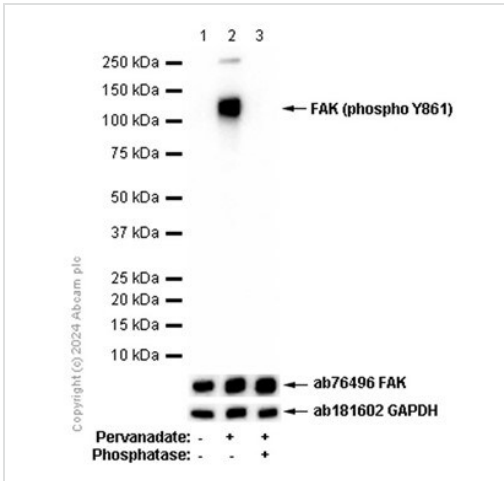
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 119 kDa

Exposure time: 20 seconds

Blocking and diluting buffer and concentration: 5% NFDm/TBST.

ab181602 was used as a GAPDH loading control.



Western blot - Anti-FAK (phospho Y861) antibody [EP841Y] (ab81293)

All lanes : Anti-FAK (phospho Y861) antibody [EP841Y] (ab81293) at 1/1000 dilution

Lane 1 : Untreated NIH/3T3 (Mouse embryonic fibroblast) whole cell lysate

Lane 2 : NIH/3T3 treated with 10mM pervanadate for 60mins whole cell lysate

Lane 3 : NIH/3T3 treated with 10mM pervanadate for 60mins whole cell lysate, then the membrane treated with phosphatase

Lysates/proteins at 15 µg per lane.

Secondary

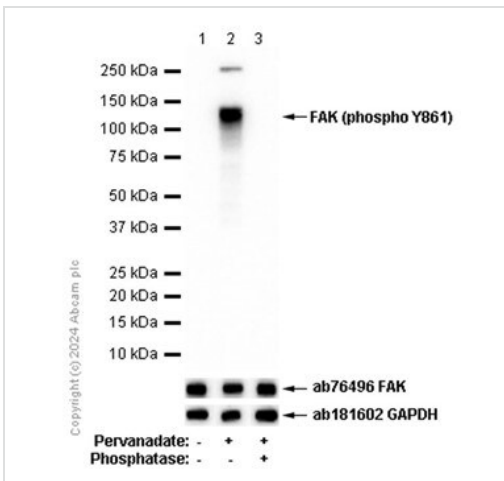
All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 119 kDa

Exposure time: 5 seconds

Blocking and diluting buffer and concentration: 5% NFD/MTBST.

[ab181602](#) was used as a GAPDH loading control.



Western blot - Anti-FAK (phospho Y861) antibody [EP841Y] (ab81293)

All lanes : Anti-FAK (phospho Y861) antibody [EP841Y] (ab81293) at 1/1000 dilution

Lane 1 : Untreated Jurkat (Human T cell leukemia T lymphocyte) whole cell lysate

Lane 2 : Jurkat treated with 10mM pervanadate for 30mins whole cell lysate

Lane 3 : Jurkat treated with 10mM pervanadate for 30mins whole cell lysate, then the membrane treated with phosphatase

Lysates/proteins at 15 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 119 kDa

Exposure time: 20 seconds

Blocking and diluting buffer and concentration: 5% NFDm/TBST.

ab181602 was used as a GAPDH loading control.

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