

Anti-FAK antibody ab131435

★★★★★ [1 Abreviews](#) [16 References](#) [3 图像](#)

概述

产品名称	Anti-FAK抗体
描述	兔多克隆抗体to FAK
宿主	Rabbit
经测试应用	适用于: WB, IHC-P, ICC/IF
种属反应性	与反应: Human
免疫原	Synthetic peptide conjugated to KLH, derived from around amino acids 923-927 (K-V-Y-E-N) of Human FAK (UniProt Q05397). Run BLAST with Run BLAST with
阳性对照	HeLa cell extract; HeLa cells; Human breast carcinoma tissue
常规说明	<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>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 49% PBS, 50% Glycerol (glycerin, glycerine), 0.88% Sodium chloride PBS without Mg ²⁺ and Ca ²⁺
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab131435于以下的经测试应用

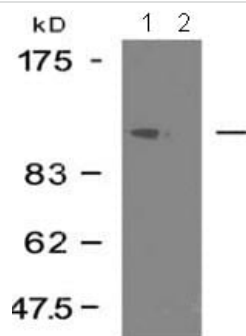
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/500 - 1/1000. Detects a band of approximately 125 kDa (predicted molecular weight: 119 kDa).
IHC-P	★★★★★ (1)	1/50 - 1/100.
ICC/IF		1/100 - 1/200.

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 (ab131435)

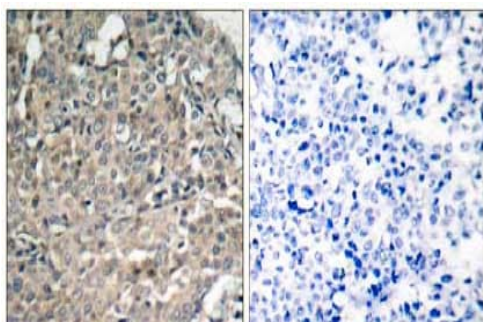
All lanes : Anti-FAK antibody (ab131435) at 1/500 dilution

Lane 1 : HeLa cell extract

Lane 2 : HeLa cell extract with blocking peptide

Predicted band size: 119 kDa

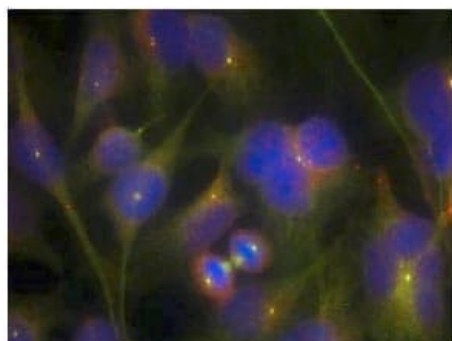
Observed band size: 125 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FAK antibody (ab131435)

Immunohistochemical analysis of paraffin-embedded Human breast carcinoma tissue labelling FAK with ab131435 at 1/50 dilution.

Right panel was preincubated with blocking peptide.



Immunocytochemistry/ Immunofluorescence - Anti-FAK antibody (ab131435)

Immunofluorescent analysis of methanol-fixed HeLa cells staining FAK with ab131435 at 1/100 dilution.

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