


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

リコンビナント **RabMAb**

**13 References**    **画像数 3**

### 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
アプリケーション	<b>適用あり:</b> WB, Dot blot <b>適用なし:</b> IHC-P
種交差性	<b>交差種:</b> Mouse <b>交差が予測される動物種:</b> Human 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	NIH-3T3 lysate treated with pervanadate.
特記事項	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</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>

### 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	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
精製度	Protein A purified

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

**The Abpromise guarantee** **Abpromise保証は、次のテスト済みアプリケーションにおけるab76244の使用に適用されます**  
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

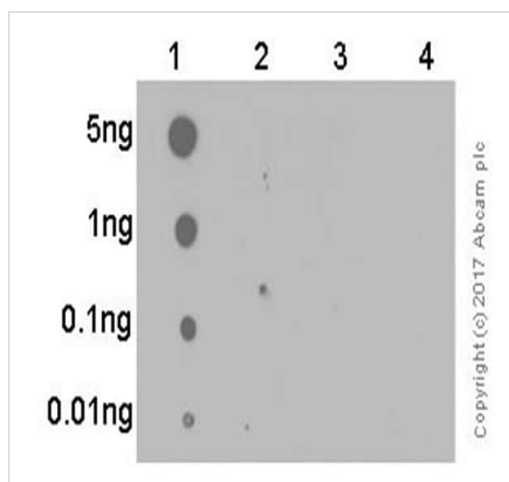
アプリケーション	Abreviews	特記事項
WB		1/50000 - 1/100000. Predicted molecular weight: 119 kDa.
Dot blot		1/1000.

**追加情報** Is unsuitable for IHC-P.

## ターゲット情報

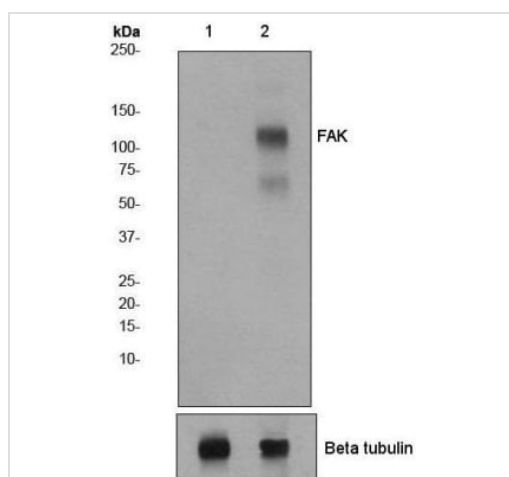
<b>機能</b>	Non-receptor protein-tyrosine kinase implicated in signaling pathways involved in cell motility, proliferation and apoptosis. Activated by tyrosine-phosphorylation in response to either integrin clustering induced by cell adhesion or antibody cross-linking, or via G-protein coupled receptor (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.
<b>組織特異性</b>	Expressed in all organs tested, in lymphoid cell lines, but most abundantly in brain.
<b>配列類似性</b>	Belongs to the protein kinase superfamily. Tyr protein kinase family. FAK subfamily. Contains 1 FERM domain. Contains 1 protein kinase domain.
<b>ドメイン</b>	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.
<b>翻訳後修飾</b>	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.
<b>細胞内局在</b>	Cell junction > focal adhesion. Cell membrane. Constituent of focal adhesions.

## 画像



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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