

FAK (Phospho-Tyr576) Antibody

Catalog No: #11957



Package Size: #11957-1 50ul #11957-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

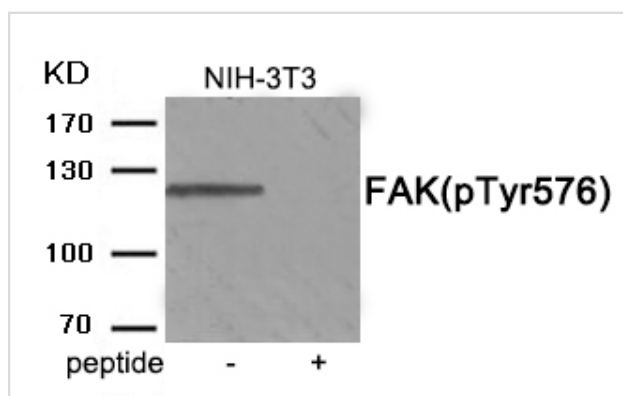
Description

Product Name	FAK (Phospho-Tyr576) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB
Species Reactivity	Human;Mouse;Rat
Specificity	The antibody detects endogenous level of FAK only when phosphorylated at tyrosine 576.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of Tyrosine576 (S-T-Y(p)-Y-K) derived from Human FAK.
Conjugates	Unconjugated
Target Name	FAK
Modification	Phospho
Other Names	FADK 1; FAK1; Focal adhesion kinase 1; PTK2; pp125FAK
Accession No.	Swiss-Prot#: Q05397; NCBI Gene#: 5747; NCBI Protein#: NP_001186578.1
SDS-PAGE MW	125kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from NIH-3T3 tissue using FAK (Phospho-Tyr576) antibody #11957. The lane on the right is treated with the antigen-specific peptide.

Background

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. Plays a potential role in oncogenic transformations resulting in increased kinase activity.

Tong L, et al. (2013) *Biochim Biophys Acta* 1833, 1304-15.

Chen S, et al. (2013) *Sci Signal* 6, ra40.

Tian H, et al. (2012) *EMBO J* 31, 3885-900.

Published Papers

Byun Youngro;Hwang Hae Hyun;Jeong Hee Jeong;Kim Sung Wan;Lee Dong Yun;Okano Teruo;Yun Sangwu et al., Anticancer Effect of Heparin-Taurocholate Conjugate on Orthotopically Induced Exocrine and Endocrine Pancreatic Cancer, , (2021)

[PMID:34830928](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.