

FAK (Phospho-Ser843) Antibody

Catalog No: #11920



Package Size: #11920-1 50ul #11920-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

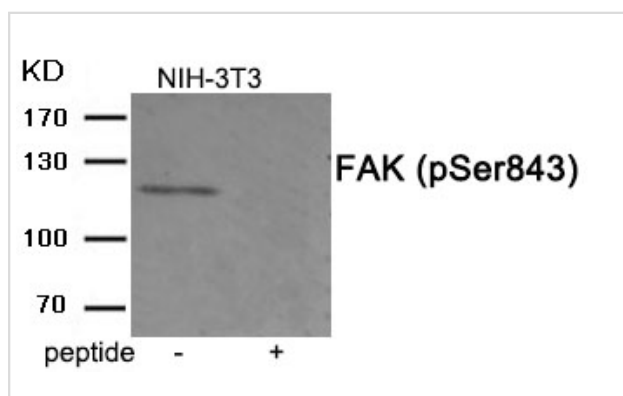
Description

Product Name	FAK (Phospho-Ser843) 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;Rat
Specificity	The antibody detects endogenous level of FAK only when phosphorylated at serine 843.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine843(R-G-S(p)-I-D) 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	120kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), 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 3T3 cells treated with PMA using Phospho-FAK (Ser843) antibody #11920. 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.

Jiang X, Sinnett-Smith J, Rozengurt E (2007)Cell Signal 19, 1000-10 .

Jacamo R, Jiang X, Lunn JA, Rozengurt E

(2007)J Cell Physiol 210, 436-44.

Le Boeuf F, Houle F, Sussman M, Huot J (2006)Mol Biol Cell 17, 3508-20 .

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.