Product Datasheet

FAK (Phospho-Ser843) Antibody

Catalog No: #11920

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

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

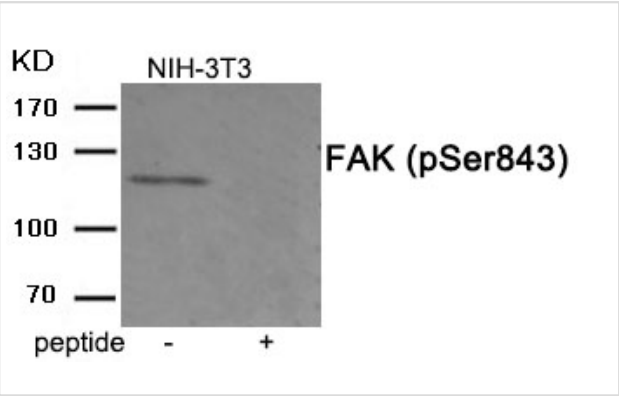
Description

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 chromatogramphy using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu Rt
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 .
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
Uniprot	Q05397
GeneID	5747;
SDS-PAGE MW	120kd
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 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 .

Note: This product is for in vitro research use only