FAK(Phospho-Tyr397) Antibody

Catalog No: #11215

Package Size: #11215-1 50ul #11215-2 100ul #11215-4 25ul

Overview

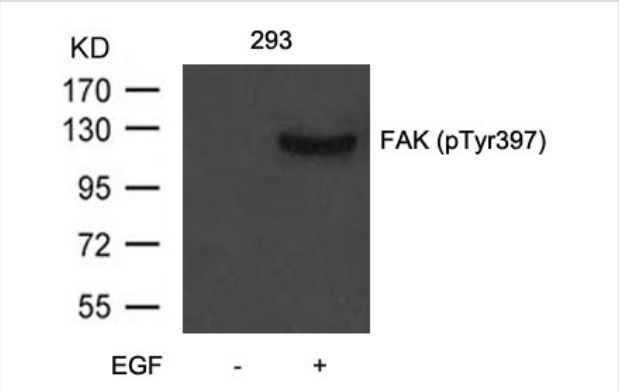
Product Name	FAK(Phospho-Tyr397) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB
Species Reactivity	Hu Rt
Immunogen Type	Peptide-KLH
Target Name	FAK
Modification	Phospho-Tyr397
Alternative Names	FAK; FAK1; PTK2

Application Details

Predicted MW: 125kd

Western blotting: 1:500~1:1000

Images



Western blot analysis of extract from 293 cells untreated or treated with EGF using FAK(Phospho-Tyr397) Antibody using #11215

Descriptions

Immunogen	Peptide sequence around phosphorylation site of tyrosine 397(D-D-Y(p)-A-E)derived from Human FAK.
Specificity	The antibody detects endogenous level of FAK only when phosphorylated at Tyrosine 397.
Purifiction	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.
Formulation	Supplied at 1.0mg/mL 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 for long term preservation (recommended). Store at 4°C for short term use.
Accession NO.	Swiss-Prot: Q05397NCBI Protein: NP_001186578.1

Related Information

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.

Matsuya M.et.al. (1998)J. Biol. Chem. 273:1003-1014
Fujita H.et.al. (1998)J. Biol. Chem. 273:26516-26521
Le Romancer M.et.al. (2008)Mol. Cell 31:212-221

Published Papers

JUNSHAN RUAN, LEI ZHANG, LINGGENG YAN el at., Inhibition of hypoxia-induced epithelial mesenchymal transition by luteolin in non-small cell lung cancer cells, MOLECULAR MEDICINE REPORTS, 6: 232-238(2012)

PMID:22552526