FAK(Phospho-Tyr925) Antibody

#11123

Catalog Number: 11123-1, 11123-2

Amount: 50μg/50μl, 100μg/100μl

Swiss-Prot No. :Q05397

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl,0.02% sodium azide and 50% glycerol.

Storage/Stability: Store at -20℃/1 year

Immunogen: The antiserum was produced against synthesized phosphopeptide derived from Human FAK around the phosphorylation site of tyrosine 925 (K-V-Yp-E-N).

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatogramphy using non-phosphopeptide corresponding to the phosphorylation site

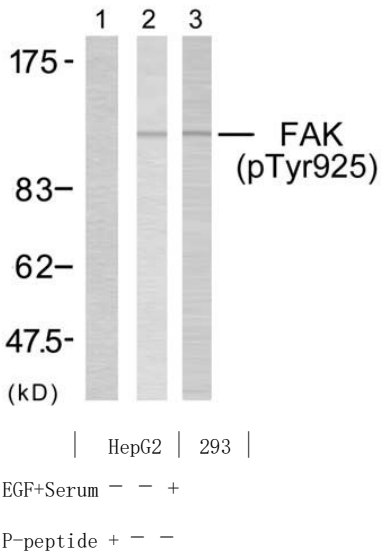
Specificity/Sensitivity:FAK (phospho-Tyr925) antibody detects endogenous levels of FAK only when phosphorylated at tyrosine 925.

Reactivity: Human,Mouse,Rat

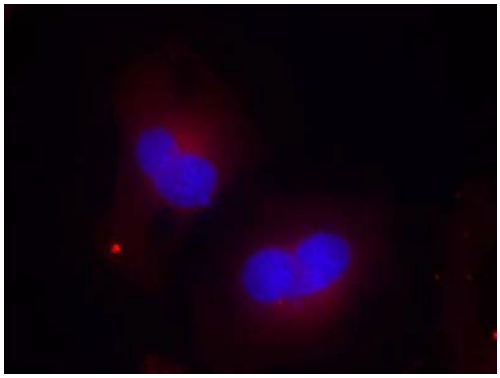
Applications:

Predicted MW: 125 kd

WB: 1:500~1:1000 IF:1:100~1:200



Western blot analysis of extracts using FAK (phospho-Tyr925) antibody (#11123).



Immunofluorescence staining of methanol-fixed HeLa cells using FAK (phospho- Tyr925) antibody (#11123, Red).

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.

References:

Sanders MA, et al. (2005) J Biol Chem; 280(25): 23516-22.
Cherubini A, et al. (2005) Mol Biol Cell; 16(6): 2972-83.
Toriumi Y, et al. (2003) FEBS Lett; 553(3): 419-22.