



FAK (Ab-925) Antibody

#21148

Catalog Number: 21148-1, 21148-2

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°C/1 year

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

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

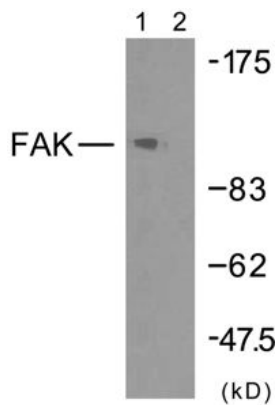
Specificity/Sensitivity: FAK (Ab-925) antibody detects endogenous levels of total FAK protein

Reactivity: Human, Mouse, Rat

Applications:

Predicted MW: 125 kd

WB: 1:500~1:1000 IHC: 1:50~1:100 IF: 1:100~1:200

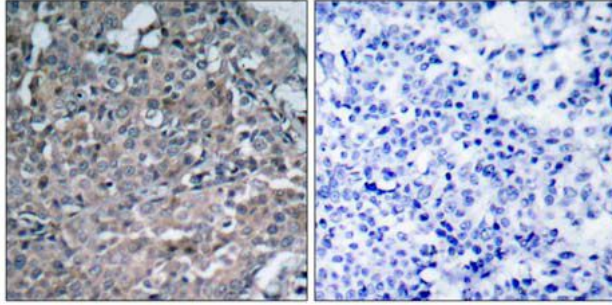


EGF + +

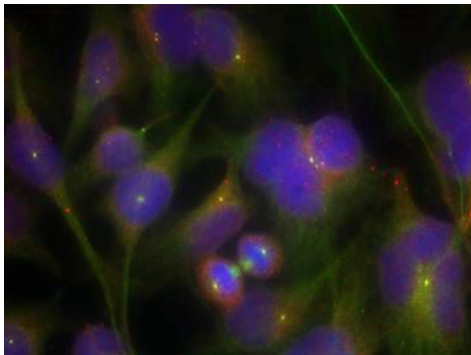
Peptide - +

Western blot analysis of extracts from HeLa cells using

FAK (Ab-925) antibody (#21148).



Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using FAK (Ab-925) antibody (#21148).



Immunofluorescence staining of methanol-fixed HeLa cells using FAK (Ab-925) antibody (#21148, 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.
- Shi Q, et al. (2003) Mol Biol Cell; 14(10): 4306-15.