FAK(Ab-861) Antibody

#21076

Catalog Number: 21076-1, 21076-2

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 non-phosphopeptide derived from Human FAK around the phosphorylation site of tyrosine 861 (H-I-Yp-Q-P).

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

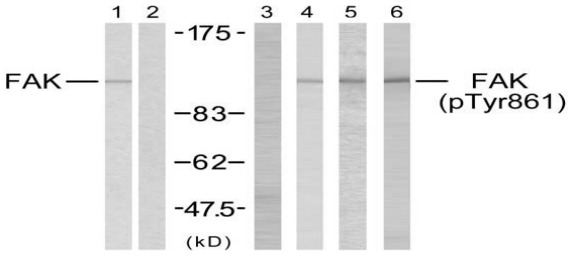
Specificity/Sensitivity:FAK (Ab-861) antibody detects endogenous levels of total FAK protein

Reactivity: Human,Mouse,Rat

Applications:

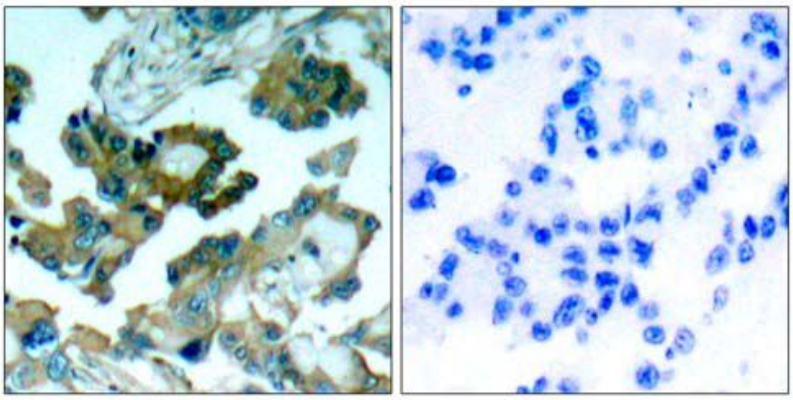
Predicted MW: 125 kd

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



	HeLa		HepG2	HeLa	293
Serum	+	+	−	−	+	−
EGF+Serum	−	−	−	−	−	+
P-peptide	−	−	+	−	−	−
Peptide	−	+	−	−	−	−

Western blot analysis using FAK (Ab-861) antibody (#21076, Lane 1 and 2) and FAK (phospho-Tyr861) antibody (#11059, Lane 3, 4, 5 and 6).



Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using FAK (Ab-861) antibody (#21076).

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:

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Vadlamudi RK, et al. (2003) FEBS Lett; 543(1-3): 76-80.
Eliceiri BP, et al. (2002) J Cell Biol Apr 01; 157(1): 149-60.
Abu-Ghazaleh R, (2001) et al. Biochem J; 360(Pt 1): 255-64.
Slack JK, et al.(2001) Oncogene; 20(10): 1152-63.