



## FAK (Phospho-Tyr861) Antibody

#11059

**Catalog Number:** 11059-1, 11059-2

**Amount:** 50µg/50µl, 100µg/100µl

**Swiss-Prot No. :** Q05397

**Form of Antibody:** Rabbit IgG in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), 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 phosphopeptide derived from Human FAK around the phosphorylation site of tyrosine 861 (H-I-Y<sub>P</sub>-Q-P).

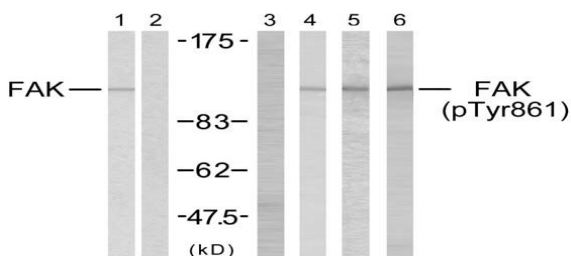
**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site

**Specificity/Sensitivity:** FAK (phospho-Tyr861) antibody detects endogenous levels of FAK only when phosphorylated at tyrosine 861.

**Reactivity:** Human, Mouse, Rat

### Applications:

Predicted MW: 125 kd WB: 1:500~1:1000



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).

	HeLa		HepG2				HeLa	293
Serum	+	+	-	-	+	-		
EGF+Serum	-	-	-	-	-	-	+	
P-peptide	-	-	+	-	-	-		
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.