

### 35-1747: Polyclonal Antibody to FAK (Ab-576/577)

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	WB,IHC
<b>Reactivity :</b>	Human,Mouse,Rat
<b>Gene :</b>	PTK2
<b>Gene ID :</b>	5747
<b>Uniprot ID :</b>	Q05397
<b>Format :</b>	Purified
<b>Alternative Name :</b>	FADK 1, FAK1, PTK2
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	Peptide sequence around aa.574~578/575~579 (T-Y-Y-K-A) derived from Human FAK.

#### Description

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.

#### Product Info

<b>Amount :</b>	50 µl / 100 µl
<b>Content :</b>	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.
<b>Storage condition :</b>	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

#### Application Note

Predicted MW: 125kd, Western blotting: 1:500~1:1000, Immunohistochemistry: 1:50~1:100

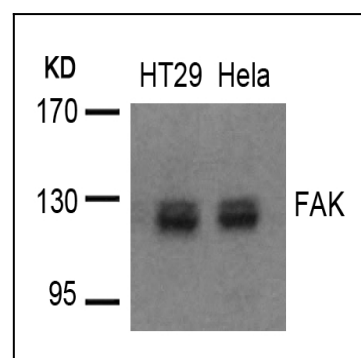


Figure 1: Western blot analysis of extracts from HT29 and HeLa cells using FAK(Ab-576/577) Antibody 35-1747 .

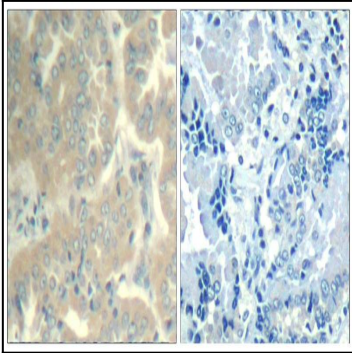


Figure 2: Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using FAK(Ab-576/577) Antibody 35-1747 (left) or the same antibody preincubated with blocking peptide(right).