

35-1494: Polyclonal Antibody to FAK (Ab-925)

Clonality :	Polyclonal
Application :	IHC, WB, IF
Reactivity :	Rat, Mouse, Human
Gene :	PTK2
Gene ID :	5747
Uniprot ID :	Q05397
Format :	Purified
Alternative Name :	FADK 1, FAK1, PTK2
Isotype :	Rabbit IgG
Immunogen Information :	Peptide sequence around aa.923~927 (K-V-Y-E-N) 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

Amount :	50 µl / 100 µl
Content :	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage condition :	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, Immunofluorescence: 1:100~1:200

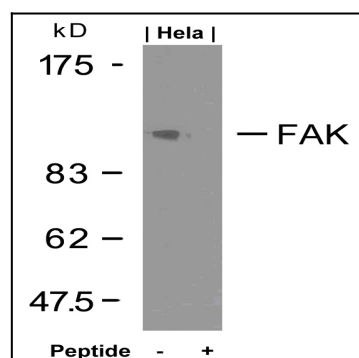


Figure 1: Western blot analysis of extracts from HeLa cells using FAK (Ab-925) Antibody 35-1494 and the same antibody preincubated with blocking peptide.

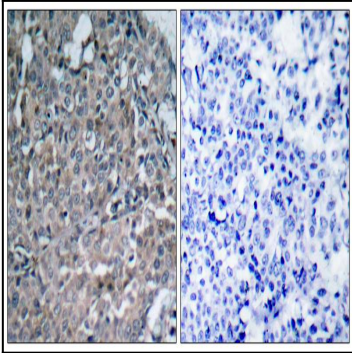


Figure 2: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using FAK (Ab-925) Antibody 35-1494 (left) or the same antibody preincubated with blocking peptide(right).

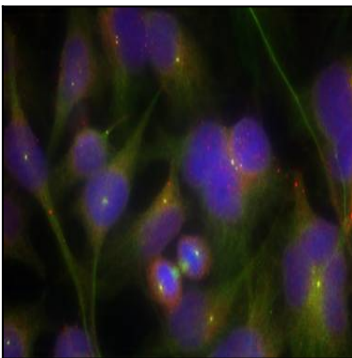


Figure 3: Immunofluorescence staining of methanol-fixed HeLa cells using FAK (Ab-925) Antibody 35-1494 .