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## 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 Mg2+ and Ca2+), 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

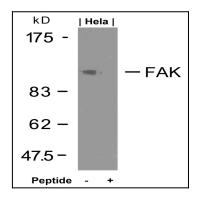


Figure 1: Western blot analysis of extracts from Hela cells using FAK (Ab-925) Antibody 35-1494 and the same antibody preincubated with blocking peptide.



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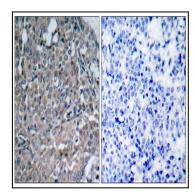


Figure 2: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using FAK (Ab-925) Antibody 35-1494 (left) or the same antibody preincubated with blocking peptide(right).

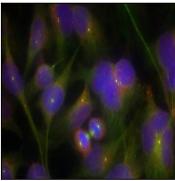


Figure 3: Immunofluorescence staining of methanol-fixed Hela cells using FAK (Ab-925) Antibody 35-1494 .