

35-1327: Polyclonal Antibody to FAK (phospho-Tyr576/Tyr577)

Clonality :	Polyclonal
Application :	WB,IF
Reactivity :	Human,Mouse,Rat
Gene :	PTK2
Gene ID :	5747
Uniprot ID :	Q05397
Format :	Purified
Alternative Name :	FADK 1, FAK1, PTK2
Isotype :	Rabbit IgG
Immunogen Information :	Peptide sequence around phosphorylation site of tyrosine 576/tyrosine 577 (S-T-Y(p)-Y(p)-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. Parsons, J.T. et al. (2000) Oncogene 19, 5606-5613 Schaller, M.D. et al. (1994) Mol. Cell. Biol. 14, 1680-1688. Cobb, B.S. et al. (1994) Mol. Cell. Biol. 14, 147-155. Chen, H.C. et al. (1996) J. Biol. Chem. 271, 26329-26334.

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, Immunofluorescence: 1:100~1:200

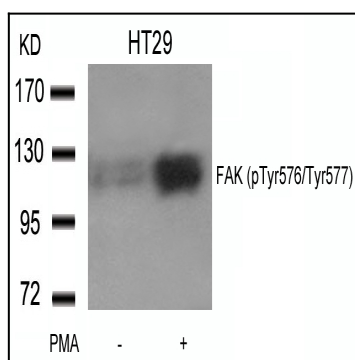


Figure 1: Western blot analysis of extracts from HT29 cells untreated or treated with PMA using FAK(phospho-Tyr576/Tyr577) Antibody 35-1327 .

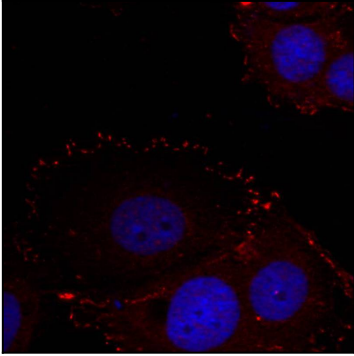


Figure 2: Immunofluorescence staining of methanol-fixed HeLa cells using FAK(phospho-Tyr576/Tyr577) Antibody 35-1327 .