

Product datasheet for **TA354484**

Ptk2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB 0.1-1 µg/ml ELISA 0.01-0.1 µg/ml IP 2-5 µg/ml IHC 2-10 µg/ml FC 5-10 µg/ml
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic peptide surrounding to the epitope -STYYKA- with a phosphorylation site at Tyrosine 576 of human FAK protein. This sequence is identical among human, mouse and rat.
Formulation:	This affinity purified antibody is supplied in sterile Tris-buffered saline (pH7.2) containing antibody stabilizer.
Purification:	The Rabbit IgG is purified by site-modified Epitope Affinity Purification.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	125 kDa
Gene Name:	protein tyrosine kinase 2
Database Link:	NP_037213 Entrez Gene 5747 Human O35346



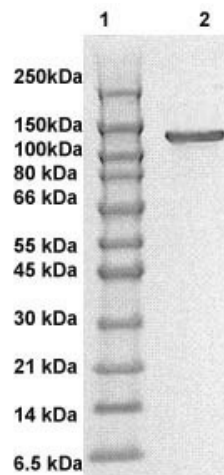
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Background:

Focal adhesion kinase (FAK) gene encodes a cytoplasmic protein tyrosine kinase which is found concentrated in the focal adhesions that form between cells growing in the presence of extracellular matrix constituents. The encoded protein is a member of the FAK subfamily of protein tyrosine kinase but lacks significant sequence similarity to kinase from other subfamilies. Activation by phosphorylation of Y397, Y576/577 and Y863 of FAK protein may be an important early step in cell growth and intracellular signal transduction pathways triggered in response to certain neural peptides or to cell interactions with the extracellular matrix. Increased FAK expression has been correlated with the enhanced motility and invasiveness of human tumor cells, as well as with promoting increased cell proliferation

Synonyms:

FADK; FAK; FAK1; FRNK; pp125FAK

Product images:

WB: The cell lysate derived from pervanadate treated 3T3 was resolved onto 7.5% SDS-PAGE, transferred onto NC membrane, and followed by an immunoblotting with Rabbit anti-FAK (pY576) antibody at 1:500