

# AbboMax, Inc

Innovation at Work

## Rabbit anti-Phospho-FAK (pTyr<sup>576</sup>)

Synonym: Focal Adhesion Kinase (FAK), FAK1, FADK, pp125FAK, PTK2.

### Order Information

Description: Rabbit anti Phospho-FAK(pY576)  
Catalogue#: 600-320  
Lot#: See the label  
Size: 100 ug/200 ul  
Host: Rabbit  
Clone: N/A  
Application: ELISA, WB, IHC  
Reactivity: Hu; Rt; Ms.

### ANTIGEN PREPARATION

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.

### 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

### PURIFICATION

The Rabbit IgG is purified by site-modified Epitope Affinity Purification.

### FORMULATION

This affinity purified antibody is supplied in sterile Tris-buffered saline (pH7.2) containing antibody stabilizer

### SPECIFICITY

This antibody recognizes FAK (pY576) with a phosphorylated site at Tyrosine 576. It does not cross-react with non-phosphospecific peptide.

### STORAGE

The antibodies are stable for 12 months from date of receipt when stored at -20°C to -70°C. The antibodies can be stored at 2°C-8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

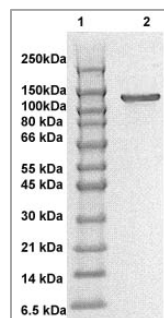
### APPLICATIONS/SUGGESTED WORKING DILUTIONS

Western Blot	0.1-1 µg/ml
ELISA	0.01-0.1 µg/ml
Immunoprecipitation	2-5 µg/ml
IHC	1:100 tested
Flow cytometry	Not tested

<b>MOLECULAR WEIGHT:</b>	125 kDa
<b>POSITIVE CONTROL:</b>	Conditioned 3T3 cell lysate
<b>CELLULAR LOCATION:</b>	Cytoplasmic

Optimal dilutions should be determined by researchers for the specific applications.

### DATA ATTACHMENTS



**Western Blot:** 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) (Cat#600-320) antibody at 1:500

### REFERENCES

Leu TH, et al. Tyr-863 phosphorylation enhances focal adhesion kinase autophosphorylation at Tyr-397. *Oncogene*. 2002 Oct 10;21(46):6992-7000.

**FOR RESEARCH USE ONLY.**

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