



Rabbit anti FAK(pY576) Polyclonal Antibody

Alternative Name(s): Focal adhesion kinase

Order Information

- **Description:** FAK(pY576)
- **Catalogue:** 600-320
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Rabbit
- **Clone:** nan
- **Application:** IHC(P), WB
- **Reactivity:** Hu

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 24 months from date of receipt when stored at -20oC to -70oC. The antibodies can be stored at 2oC-8oC 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: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 125.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

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

FOR RESEARCH USE ONLY.

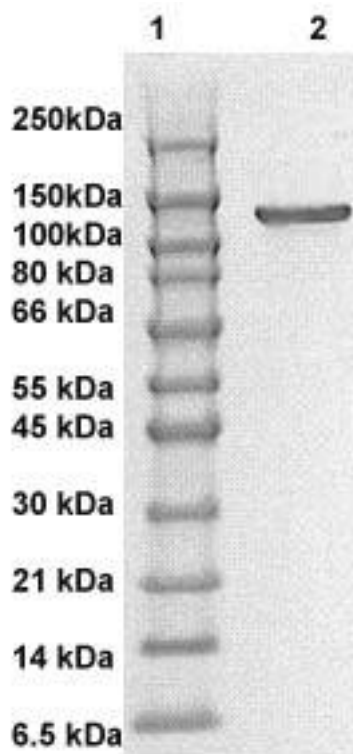
AbboMax, Inc 2528 Qume Drive, Suite 8, San Jose, California 95131, USA
1 408-573-1898 (Tel). 1 408-573-1858 (Fax). www.abbomax.com info@abbomax.com



FOR RESEARCH USE ONLY.

AbboMax, Inc 2528 Qume Drive, Suite 8, San Jose, California 95131, USA
1 408-573-1898 (Tel). 1 408-573-1858 (Fax). www.abbomax.com info@abbomax.com

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. Observed a major immunoreactive band at molecular weight ~125 kDa.

REFERENCES

FOR RESEARCH USE ONLY.