

Phospho-FAK-Y576/577 Rabbit pAb

Catalog No.: AP0536

Basic Information

Observed MW

130kDa

Calculated MW

119kDa

Category

Primary antibody

Applications

ELISA, WB

Cross-Reactivity

Human

Background

This 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 kinases but lacks significant sequence similarity to kinases from other subfamilies. Activation of this gene 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. Several transcript variants encoding different isoforms have been found for this gene.

Recommended Dilutions

WB 1:500 - 1:2000

Immunogen Information

Gene ID

5747

Swiss Prot

Q05397

Immunogen

A synthetic phosphorylated peptide around Y576 & Y577 of human PTK2 (NP_722560.1).

Synonyms

FAK; FADK; FAK1; FRNK; FADK 1; PPP1R71; p125FAK; pp125FAK; Phospho-FAK-Y576/577

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

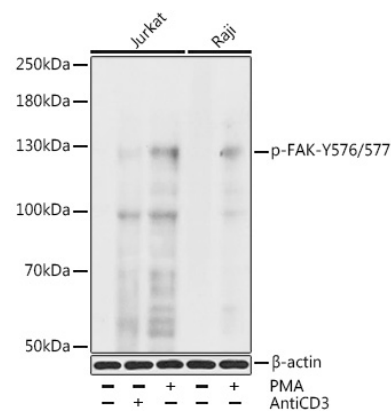
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of extracts of Jurkat and Raji cells, using Phospho-FAK-Y576/577 antibody (AP0536) at 1:1000 dilution. Jurkat cells were treated by CD-3 (10 µg/mL) for 2 minutes after serum-starvation overnight or treated by PMA/TPA (200nM) for 10 minutes. Raji cells were treated by PMA/TPA (200nM) for 30 minutes. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% BSA. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.