

# Phospho-FAK-Y576/Y577 Rabbit mAb

Catalog No.: AP1547 **Recombinant**

## Basic Information

### Observed MW

125kDa

### Calculated MW

119kDa

### Category

Primary antibody

### Applications

WB, ELISA

### Cross-Reactivity

Mouse

### CloneNo number

ARC71778

## 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** 1:16000 - 1:64000

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

5747

### Swiss Prot

Q05397

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

FAK; FADK; FAK1; FRNK; FADK 1; PPP1R71; p125FAK; pp125FAK

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

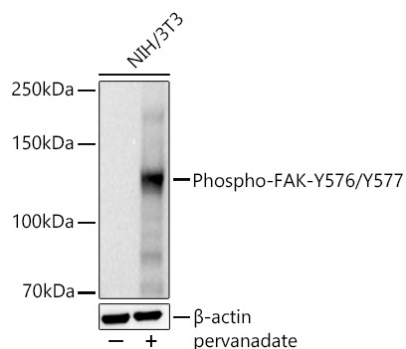
Affinity purification

### Storage

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

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

## Validation Data



Western blot analysis of lysates from NIH/3T3 cells using Phospho-FAK-Y576/Y577 Rabbit mAb (AP1547) at 1:16000 dilution incubated overnight at 4°C. NIH/3T3 cells were treated with pervanadate (1 mM) at 37°C for 30 minutes after serum-starvation overnight.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 30 µg per lane.

Blocking buffer: 3 % nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 10s.