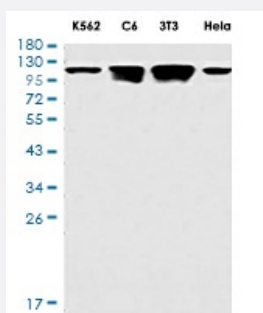


RecomAb™

PTK2 recombinant monoclonal antibody, clone R06-6B6

Catalog # RAB01267 Size 100 uL

Applications



Western Blot

Western blot analysis of FAK in K562, C6, 3T3, HeLa lysates using FAK antibody.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human PTK2.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to human FAK.
Theoretical MW (kDa)	Calculated MW: 119 k
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG

Recommend Usage

Immunohistochemistry (Frozen sections)
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
Immunocytochemistry
Immunofluorescence
Immunoprecipitation
Western Blot
The optimal working dilution should be determined by the end user.

Storage Buffer

In 50 mM Tris-Glycine pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)

Storage Instruction

Store at 4°C. For longer storage, aliquot and store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of FAK in K562, C6, 3T3, Hela lysates using FAK antibody.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

- Immunohistochemistry (Frozen sections)

- Immunocytochemistry

- Immunofluorescence

- Immunoprecipitation

Gene Info — PTK2

Entrez GeneID

[5747](#)

Protein Accession#

[Q05397](#)

Gene Name

PTK2

Gene Alias

FADK, FAK, FAK1, pp125FAK

Gene Description

PTK2 protein tyrosine kinase 2

Omim ID

[600758](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

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. At least four transcript variants encoding four different isoforms have been found for this gene, but the full-length nature of only two of them have been determined. [provided by RefSeq]

Other Designations

focal adhesion kinase 1

Pathway

- [Axon guidance](#)
- [Chemokine signaling pathway](#)
- [ErbB signaling pathway](#)
- [Focal adhesion](#)
- [Leukocyte transendothelial migration](#)
- [Pathways in cancer](#)
- [Regulation of actin cytoskeleton](#)
- [Small cell lung cancer](#)
- [VEGF signaling pathway](#)

Disease

- [Autistic Disorder](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [Leukemia](#)
- [Mental Retardation](#)
- [Neovascularization](#)

- [Psychotic Disorders](#)
- [Schizophrenia](#)