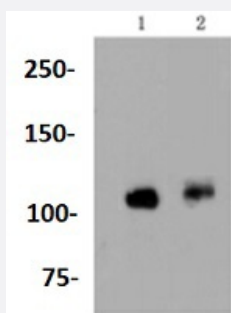


RecomAb™

PTK2 recombinant monoclonal antibody

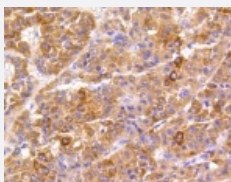
Catalog # RAB02694 Size 100 uL

Applications



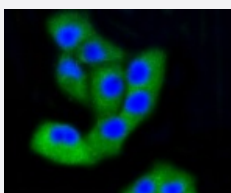
Western Blot

Western blot analysis of Lane1:Hela whole cell lysate Lane2:The spleen tissue lysate of Mouse with PTK2 recombinant monoclonal antibody (Cat # RAB02694) at 1:1000 dilution.



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

Immunohistochemical analysis of paraffin-embedded human liver cancer tissue using PTK2 recombinant monoclonal antibody (Cat # RAB02694). Counter stained with hematoxylin.



Immunocytochemistry

Immunocytochemical staining of PANC-1 cells using PTK2 recombinant monoclonal antibody (Cat # RAB02694)(green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton *100/PBS.

Specification

Product Description

Rabbit recombinant monoclonal antibody raised against PTK2.

Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant PTK2.
Theoretical MW (kDa)	125
Reactivity	Human, Mouse, Rat
Specificity	This antibody detects endogenous levels of FAK and does not cross-react with related proteins.
Form	Liquid
Purification	Protein A purification
Isotype	IgG
Recommend Usage	Flow Cytometry (1:50-1:100) Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:200) Western Blot (1:1000-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.2 (50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
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 Lane1:Hela whole cell lysate Lane2:The spleen tissue lysate of Mouse with PTK2 recombinant monoclonal antibody (Cat # RAB02694) at 1:1000 dilution.

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Immunohistochemical analysis of paraffin-embedded human liver cancer tissue using PTK2 recombinant monoclonal antibody (Cat # RAB02694). Counter stained with hematoxylin.

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Immunocytochemical staining of PANC-1 cells using PTK2 recombinant monoclonal antibody (Cat # RAB02694)(green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton *100/PBS.

- Immunofluorescence
- Flow Cytometry

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](#)