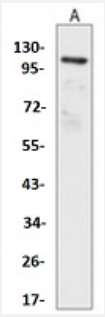
RecomAb™

Ptk2 (Phospho Y397) recombinant monoclonal antibody

Catalog # RAB02458 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of C6 (A) whole cell lysates with Focal Adhesion Kinase (Phospho Y397) recombinant monoclonal antibody (Cat # RAB02458).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against mouse Ptk2.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic phosphopeptide corresponding to residues surroundin g Tyr397 of human FAK.
Theoretical MW (kDa)	120
Reactivity	Rat
Specificity	Recognizes endogenous levels of Focal Adhesion Kinase (pY397) protein.
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Immunogen affinity chromatography
Isotype	IgG

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Recommend Usage	Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50mM Tris-Glycine, pH 7.4 (0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA)
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 shoul d be handled by trained staff only.

Applications

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Gene Info — PTK2

Entrez GeneID	5747
Protein Accession#	O35346
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. Th e encoded protein is a member of the FAK subfamily of protein tyrosine kinases but lacks signific ant sequence similarity to kinases from other subfamilies. Activation of this gene may be an impor tant early step in cell growth and intracellular signal transduction pathways triggered in response t o 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 natures of only two of them have been determined. [provided by RefSeq
Other Designations	focal adhesion kinase 1

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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

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