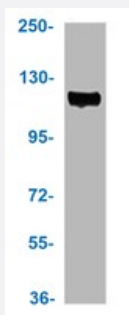


RecomAb™

# PTK2 (phospho Y397) recombinant monoclonal antibody, clone 1B3

Catalog # RAB04303      Size 100 uL

## Applications



### Western Blot

Western blot analysis of Hela whole cell lysate with PTK2 (phospho Y397) recombinant monoclonal antibody, clone 1B3 (Cat # RAB04303).

## Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human PTK2.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic phosphopeptide corresponding to residues surrounding Y397 of human PTK2.
Theoretical MW (kDa)	Calculated MW: 119 k
Reactivity	Human
Form	Liquid
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	ELISA Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20 °C or -80 °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 Hela whole cell lysate with PTK2 (phospho Y397) recombinant monoclonal antibody, clone 1B3 (Cat # RAB04303).

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — PTK2

Entrez GeneID	<a href="#">5747</a>
Protein Accession#	<a href="#">Q05397</a>
Gene Name	PTK2
Gene Alias	FADK, FAK, FAK1, pp125FAK
Gene Description	PTK2 protein tyrosine kinase 2
Omim ID	<a href="#">600758</a>
Gene Ontology	<a href="#">Hyperlink</a>

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]
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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](#)