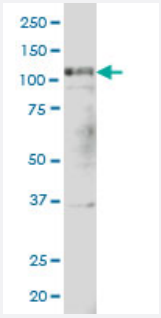
PTK2 monoclonal antibody (M02), clone 1C1

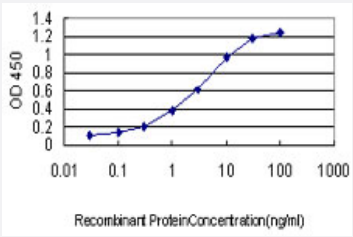
Catalog # H00005747-M02 Size 100 ug

Applications



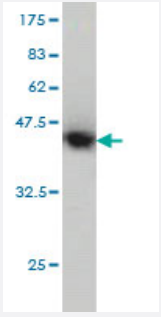
Western Blot (Cell lysate)

PTK2 monoclonal antibody (M02), clone 1C1 Western Blot analysis of PTK2 expression in Hela S3 NE (Cat # L013V3).



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PTK2 is approximately 0.1ng/ml as a capture antibody.



Western Blot detection against Immunogen (40.59 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant PTK2.

Immunogen	PTK2 (AAH28733, 355 a.a. ~ 490 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	EGFYPSPQHMVQTNHYQVSGYPGSHGITAMAGSIYPGQASLLDQTDSWNHRPQEIAMWQPNVED STVLDLRGIGQVLPTHLMEERLIRQQQEMEEDQRWLEKEERFLKPDVRLSRGSIDREDGSLQGPI GNQHIYQ
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (40.59 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

  PTK2 monoclonal antibody (M02), clone 1C1 Western Blot analysis of PTK2 expression in Hela S3 NE (Cat # L013V3).

  Protocol Download

- Western Blot (Recombinant protein)

  Protocol Download

- Sandwich ELISA (Recombinant protein)

  Detection limit for recombinant GST tagged PTK2 is approximately 0.1ng/ml as a capture antibody.

  Protocol Download

- ELISA

Gene Info — PTK2

Entrez GeneID	5747
GeneBank Accession#	BC028733

Protein Accession#	AAH28733
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 natures 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