

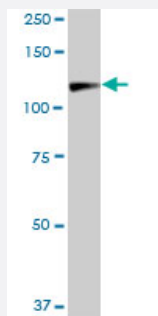
MaxPab®

PTK2 MaxPab mouse polyclonal antibody (B01P)

Catalog # H00005747-B01P

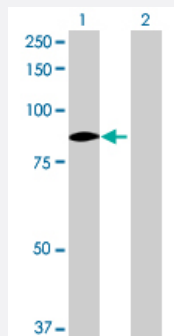
Size 50 ug

Applications



Western Blot (Tissue lysate)

PTK2 MaxPab polyclonal antibody. Western Blot analysis of PTK2 expression in rat brain.



Western Blot (Transfected lysate)

Western Blot analysis of PTK2 expression in transfected 293T cell line ([H00005747-T01](#)) by PTK2 MaxPab polyclonal antibody.

Lane 1: PTK2 transfected lysate(74.8 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human PTK2 protein.

Immunogen

PTK2 (AAH28733.1, 1 a.a. ~ 680 a.a) full-length human protein.

Sequence

MKYQEVRCCLTSFNISVSFPAETDDYAEIIDEEDTYTMPSTRDYEIQRERIELGRCIGEGQFGDVHQGI
 YMSPENPALAVAIAKTCKNCTSDSVREKFLQEALTMRFQDHPHVKLIGVITENPVWIMELCTLGELR
 SFLQVRKYSLDLASLILYAYQLSTALAYLESKRFBVHRDIAARNVLVSSNDCVKLGDFGLSRYMEDS
 TYYKASKGKLPKWMAPESINFRRFTSASDVWMFVCMWEILMHGVKPFQGVKNNDVIGRIENGE
 RLPMPNCPPTLYSLMTKCWAYDPSRRPRFTELKAQLSTILEEEKAQQEERMESRRQATVSW
 DSGGSDEAPPKPSRPGYSPRSSEGFYSPQHMVQTNHYQVSGYPGSHGITAMAGSIYPGQASL
 LDQTDSDWNHRPQEIAMWQPNVEDSTVLDLRGIGQVLPHTLMEERLIRQQQEMEEDQRWLEKEE
 RFLKPDVRLSRGSDREDGSLQGPIGNQHIYQPVGKPDPAAPPKKPPRPGAPGHLGSLASLSSPA
 DSYNEGVKLKPQEISPPPTANLDRSNDKVYENVNTGLVKAVIEMSSKIQPAPPEEYVPMVKEVGLA
 LRTLLATVDETIPLLPASTHREIEMAQKLLNSDLGELINKMKLAQQYVMTSLQQEYKKQMLTAAHAL
 AVDAKNLLDVIDQARLKMLGQTRRH

Host

Mouse

Reactivity

Human, Rat

Quality Control Testing

Antibody reactive against mammalian transfected lysate.

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 (Tissue lysate)

PTK2 MaxPab polyclonal antibody. Western Blot analysis of PTK2 expression in rat brain.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of PTK2 expression in transfected 293T cell line ([H00005747-T01](#)) by PTK2 MaxPab polyclonal antibody.

Lane 1: PTK2 transfected lysate(74.8 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — PTK2

Entrez GeneID

[5747](#)

GeneBank Accession#

[BC028733.2](#)

Protein Accession#

[AAH28733.1](#)

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](#)