

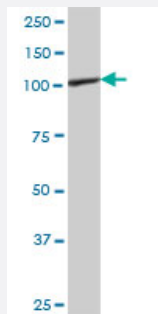
MaxPab®

PTK2B purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00002185-B01P

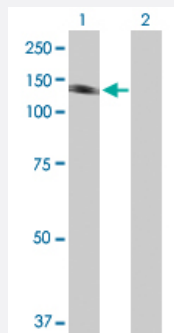
Size 50 ug

Applications



Western Blot (Tissue lysate)

PTK2B MaxPab polyclonal antibody. Western Blot analysis of PTK2B expression in rat brain.



Western Blot (Transfected lysate)

Western Blot analysis of PTK2B expression in transfected 293T cell line ([H00002185-T02](#)) by PTK2B MaxPab polyclonal antibody.

Lane 1: PTK2B transfected lysate(110.99 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human PTK2B protein.

Immunogen

PTK2B (AAH36651.1, 1 a.a. ~ 1009 a.a) full-length human protein.

Sequence

MSGVSEPLSRVKLGTLRRPEGPAEPMVVVPVDVEKEDVRILKVCFYNSNFNPGKNFKLVKCTVQ
TEIREITSILLSGRIGNIRLAECYGLRLKHKMSDEIHWLHPQMTVGEVQDKYECLHVEAEWRYDLQI
RYLPEDFMESLKEDRTTLLYFYQQLRNDYMQRYSKVSSEGMALQLGCLELRRFFKDMPHNALDK
KSNFELLEKEVGLDLFFPKMQENLKPQFRKMIQQTFFQYASLREEECVMKFFNTLAGFANIDQ
ETRYCELIQGWNTVDLVIGPKGIRQLTSQDAKPTCLAEFKQIRSIRCLPLEEGQAVLQLGIEGAPQA
LSIKTSSLAEAENMADLIDGYCRLQGEHQGSLIHPRKDGEKRNSLPQIPMLNLEARSHLSESCSI
ESDIYAEIPDETLRRPGGPQYGIAREDVVLNRILGEGFFGEVYEGVYTNHKGEKINVAVKTCCKDCT
LDNKEKFMSEAVIMKNLDHPHIVKLIGIEEPTWIIMELYPYGELGHYLERNNKNSLKVLTVLVLSLQIC
KAMAYLESINCVHRDIAVRNIVASPECVKLGDFGLSRYIEDEDYKASVTRLPKWMSPESINFRR
FTTASDVWMFAVCMWEILSFGKQPFFWLENKDVGIVLEKGDRLPKPDLCPVLYTLMTRCWDYD
PSDRPRFTLVCSLSDVYQMEKDIAEQERNARYRTPKILEPTAFQEPPPKPSRPKYRPPPQTNL
LAPKLQFQVPEGLCASSPTLTSPMEYSPVNSLHTPPLHRHNVFKRHSREEDFIQPSSTREREAQ
QLWEAEKVVMRQILDKQKQMVEDYQWLRQEEKSLDPMVYMNDKSPLTPEKEVGYLEFTGPPQ
KPPRLGAQSIQPTANLDRDLDLVYLVNVMELVRAVLELKNELCQLPPEGYVVVVKNVGLTLRKLIGS
VDDLPSLSPSSSRTEIEGTQKLLNKDLAELINKMRLAQQNAVTSLSSEECKRQMLTASHTLAMDAK
NLLDAVDQAKVLANLAHPPAE

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)

PTK2B MaxPab polyclonal antibody. Western Blot analysis of PTK2B expression in rat brain.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of PTK2B expression in transfected 293T cell line ([H00002185-T02](#)) by PTK2B MaxPab polyclonal antibody.

Lane 1: PTK2B transfected lysate(110.99 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — PTK2B

Entrez GeneID

[2185](#)

GeneBank Accession#	BC036651.2
Protein Accession#	AAH36651.1
Gene Name	PTK2B
Gene Alias	CADTK, CAKB, FADK2, FAK2, FRNK, PKB, PTK, PYK2, RAFTK
Gene Description	PTK2B protein tyrosine kinase 2 beta
Omim ID	601212
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a cytoplasmic protein tyrosine kinase which is involved in calcium-induced regulation of ion channels and activation of the map kinase signaling pathway. The encoded protein may represent an important signaling intermediate between neuropeptide-activated receptors or neurotransmitters that increase calcium flux and the downstream signals that regulate neuronal activity. The encoded protein undergoes rapid tyrosine phosphorylation and activation in response to increases in the intracellular calcium concentration, nicotinic acetylcholine receptor activation, membrane depolarization, or protein kinase C activation. This protein has been shown to bind CRK-associated substrate, nephrocystin, GTPase regulator associated with FAK, and the SH2 domain of GRB2. The encoded protein is a member of the FAK subfamily of protein tyrosine kinases but lacks significant sequence similarity to kinases from other subfamilies. Four transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	CAK beta OTTHUMP00000128275 OTTHUMP00000162913 calcium-dependent tyrosine kinase cell adhesion kinase beta focal adhesion kinase 2 proline-rich tyrosine kinase 2 protein kinase B protein tyrosine kinase 2 beta related adhesion focal tyrosine kinase

Pathway

- [Calcium signaling pathway](#)
- [Chemokine signaling pathway](#)
- [GnRH signaling pathway](#)
- [Leukocyte transendothelial migration](#)
- [Natural killer cell mediated cytotoxicity](#)

Disease

- [Cardiovascular Diseases](#)
- [Cell Transformation](#)

- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [Hypertension](#)
- [Insulin Resistance](#)
- [Kidney Failure](#)
- [Melanoma](#)
- [Skin Neoplasms](#)
- [Tobacco Use Disorder](#)