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Forschungsprodukte & Biochemikalien



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siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PTK2B purified MaxPab mouse polyclonal antibody (B01P) MaxPab®

Catalog # : H00002185-B01P

規格 : [50 ug]

[List All](#)

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:
 MSGVSEPLSRVKLGLRRPEGPAEPMVVVPVDVEKEDVRILKVCFYNS
 FNPGKNFKLVKCTVQTEIREIITSILLSGRIGPNIRLAECYGLRLKHMKSDEI
 HWLHPQMTVGEVQDKYECLHVEAEWRYDLQIRYLPEDFMESLKEDRTT
 LLYFYQQLRNDYMQRYASKVSEGMALQLGCELELRRFFKDMPHNALDKK
 SNFELLEKEVGLDLFFPKQMENLKPQFRKMIQQTFFQYASLREEECV
 MKFFNTLAGFANIDQETYRCELIQGWNITVDLVIGPKGIRQLTSQDAKPTC
 LAEFKQIRSIRCLPEEGQAVLQLGIEGAPQALSIKTSSLAEAENMADLIDG
 YCRLQGEHQGSLIHPKDGKEKRNSLPQIPMLNLEARRSHLSESCSIESDI
 YAEIPDETLRRPGGPQYGIAREDVWLNRLGEGFFGEVYEGVYTNHKGEK
 INAVKTCCKDCTLDNKEKFMSEAVIMKNDHDPHIVKLGIIIEEPTWIIMELY
 PYGELGHYLERNKNSLKVLTLLVLSLQICKAMAYLESINCVHRDIAVRNIV
 ASPECVKLGDFGLSRYIEDEDYKASVTRLPIKWMSPESINFRRFTTASD
 WVMFAVCMWEILSFGKQPFVLENKDVIGVLEKGDRLPKPDLCPVLYT
 LMTRCWDYDPSDRPRFTELVCSLSDVYQMEKDIAMEQERNARYRTPKIL
 EPTAFQEPPPKSRPKYRPPQTNLLAPKLQFQVPEGLCASSPTLTPM
 EYPSVNSLHTPPLHRHNVFKRHSMREEDFIQSSREEAQQLWEAEKVK
 MRQILDKQKQMVEDYQWLRQEEKSLDPMVYMNDKSPLTPEKEVGYLE
 FTGPPQKPPRLGAQSIQPTANLDRDLDLVLNVMELVRAVLELKNELCQ
 LPPEGYVVVKNVGLTLRKLIGSVDDLLPSLPSSSRTEIEGTQKLLNKDLA
 ELINKMRLAQQNAVTSLSSECKRQMLTASHTLAMDAKNLLDAVDQAKVL
 ANLAHPPAE

Host: Mouse

Reactivity: Human, Rat

Quality Control Testing: Antibody reactive against mammalian transfected lysate.

Storage Buffer: In 1x PBS, pH 7.4

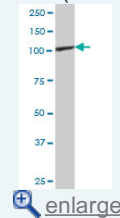
Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

MSDS:  [Download](#)

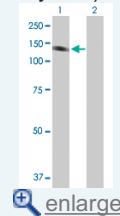
Datasheet:  [Download](#)

Application Image

Western Blot (Tissue lysate)

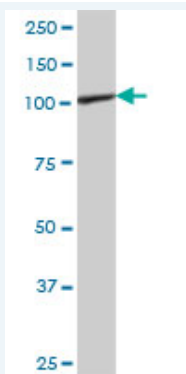


Western Blot (Transfected lysate)



Applications

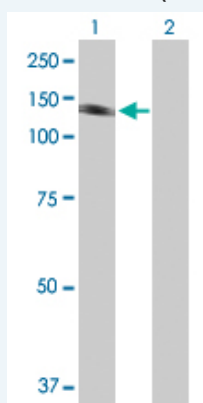
Western Blot (Tissue lysate)



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 Information

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](#)

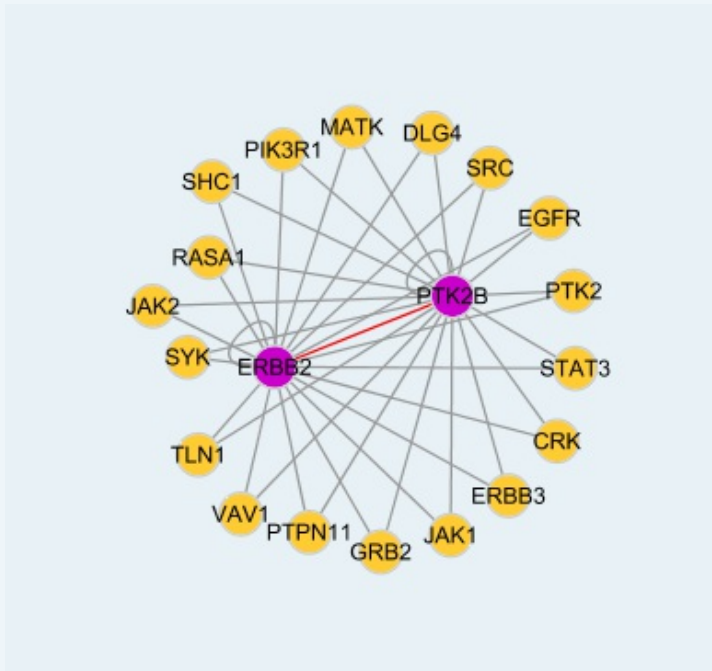
Gene Ontology: [Hyperlink](#)

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

Interactome



Gene Pathway

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[Leukocyte transendothelial migration](#) [Natural killer cell mediated cytotoxicity](#)

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