



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PTK2B monoclonal antibody (M03), clone X1

Catalog # : H00002185-M03

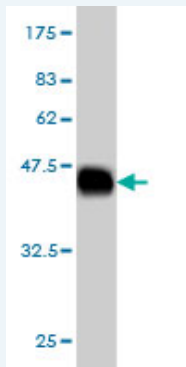
規格 : [100 ug]

[List All](#)

Specification

Product Description:	Mouse monoclonal antibody raised against a partial recombinant PTK2B.
Immunogen:	PTK2B (AAH36651, 682 a.a. ~ 871 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	VYQMEKDIAMEQERNARYRTPKILEPTAFQEPPPKPSRPKYRPPPQTNLL APKLQFQVPEGLCASSPTLTSPMEYPSVNSLHTPPLHRHNVFKRHSMR EEDFIQPSSREEAQLWEAEKVKMRQILDKQKQMVEDYQWLRQEEKS LDPMVYMNDKSPLTPEKEVGYLEFTGPPQKPPRLGAQSIQPTA
Host:	Mouse
Reactivity:	Human
Isotype:	IgG2a Kappa

Quality Control Testing: Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (46.53 KDa) .

Storage Buffer: In 1x PBS, pH 7.4

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

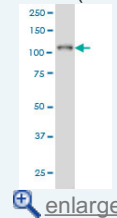
Datasheet:  [Download](#)

Applications

Western Blot (Cell lysate)

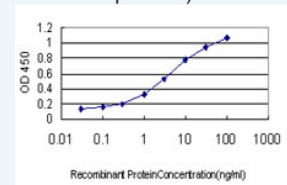
Application Image

Western Blot (Cell lysate)



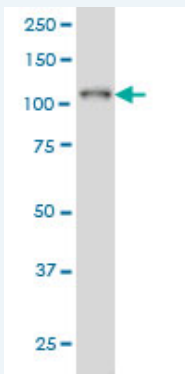
Western Blot (Recombinant protein)

Sandwich ELISA (Recombinant protein)



[enlarge](#)

ELISA



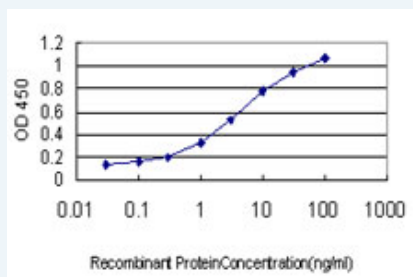
PTK2B monoclonal antibody (M03), clone X1 Western Blot analysis of PTK2B expression in K-562.

[Protocol Download](#)

Western Blot (Recombinant protein)

[Protocol Download](#)

Sandwich ELISA (Recombinant protein)



Detection limit for recombinant GST tagged PTK2B is approximately 0.1 ng/ml as a capture antibody.

[Protocol Download](#)

ELISA

Gene Information

Entrez GeneID: [2185](#)

GeneBank [BC036651](#)

Accession#:

Protein [AAH36651](#)

Accession#:

Gene Name: PTK2B

Gene Alias: CADTK, CAKB, FADK2, FAK2, FRNK, PKB, PTK, PYK2, RAFTK

Gene Description: PTK2B protein tyrosine kinase 2 beta

Description:

Omim ID: [601212](#)

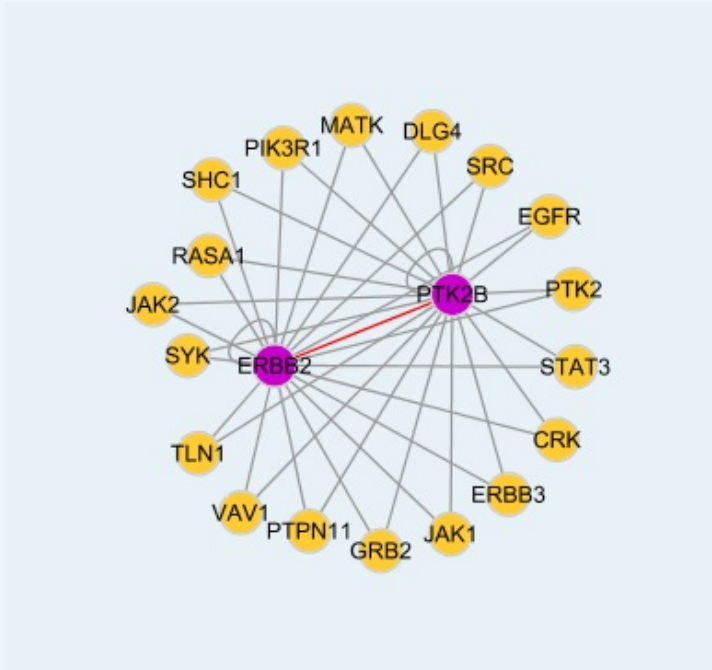
Gene Ontology: [Hyperlink](#)

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

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

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