PANK3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PANK3, Polyclonal Antibody
Full Product Name	PANK3 rabbit pAb
Product Gene Name	anti-PANK3 antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Purity/Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Preparation and Storage	Store at -20 degree C for ~1 year
Molecular Weight	41,094 Da
Chromosome Location	Chromosome: 5; NC_000005.9 (167982630..168006588, complement). Location: 5q34
OMIM	606161
3D Structure	ModBase 3D Structure for Q9H999
Product Categories/Family for anti-PANK3 antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-PANK3 antibody	Western Blot (WB)
Application Notes for anti-PANK3 antibody	WB: 1:1000-2000
Related Product Information for anti-PANK3 antibody	MBS8599868 is an antibody targeting PANK3. Also known as PANK3 rabbit pAb. Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-PANK3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PANK3. It may not necessarily be applicable to this product.

NCBI GI #	13375789
NCBI GeneID	79646
NCBI Accession #	NP_078870.1
UniProt Primary Accession #	Q9H999
UniProt Secondary Accession #	Q53FJ9; Q7RTX4; D3DQL1
UniProt Related Accession #	Q9H999

GenBank Nucleotide #	NM_024594.3
NCBI Official Full Name	pantothenate kinase 3
NCBI Official Synonym Full Names	pantothenate kinase 3
NCBI Official Symbol	PANK3
NCBI Official Synonym Symbols	FLJ12899; MGC16863; DKFZp686O22247
UniProt Protein Name	Pantothenate kinase 3
UniProt Synonym Protein Names	Pantothenic acid kinase 3
Protein Family	Pantothenate kinase
UniProt Gene Name	PANK3
UniProt Entry Name	PANK3_HUMAN
NCBI Protein Information	pantothenate kinase 3; hPanK3; OTTHUMP00000160961; pantothenic acid kinase 3
NCBI Summary for PANK3	This gene encodes a protein belonging to the pantothenate kinase family. Pantothenate kinase is a key regulatory enzyme in the biosynthesis of coenzyme A (CoA) in bacteria and mammalian cells. It catalyzes the first committed step in the universal biosynthetic pathway leading to CoA and is itself subject to regulation through feedback inhibition by CoA. This family member is expressed most abundantly in the liver. [provided by RefSeq]
UniProt Comments for PANK3	PANK3: Plays a role in the physiological regulation of the intracellular CoA concentration. Belongs to the type II pantothenate kinase family. Protein type: EC 2.7.1.33; Kinase, other; Cofactor and Vitamin Metabolism - pantothenate and CoA biosynthesis Chromosomal Location of Human Ortholog: 5q34 Cellular Component: cytoplasm Molecular Function: pantothenate kinase activity; ATP binding Biological Process: coenzyme A biosynthetic process; phosphorylation
Research Articles on PANK3	**1.** analysis of the homodimeric structures of the catalytic cores of PanK1alpha and PanK3 in complex with acetyl-CoA and the the structural effects of the PanK2 mutations that have been implicated in neurodegeneration
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.