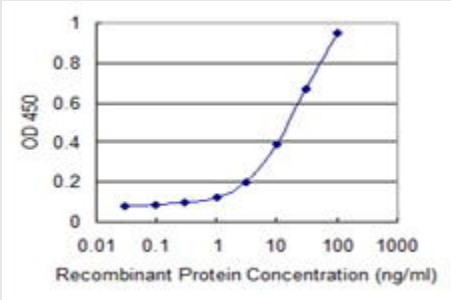
PANK4 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	PANK4, Monoclonal Antibody
Full Product Name	PANK4 (Pantothenate Kinase 4, DKFZp547M242, FLJ10782) (APC)
Product Gene Name	anti-PANK4 antibody
Product Synonym Names	Pantothenate Kinase 4; DKFZp547M242; FLJ10782
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	2A11
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified
Specificity	Recognizes PANK4.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	85,991 Da
Chromosome Location	Chromosome: 1; NC_000001.10 (2439975..2458035, complement). Location: 1p36.32
OMIM	AK001644 mRNA
3D Structure	ModBase 3D Structure for Q9NVE7
Immunogen	PANK4 (NP_060686.1, 673aa-773aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	AGMDPVVHSALQEERLLLVQTGSSSPCLDLSRLDKGLAALVRERGADLVVIEGMGRAVHTNYHAALRCESLKLAVIKNAWLAERLGGRLFSVIFKYEVPAE
Conjugate	APC
Product Categories/Family for anti-PANK4 antibody	Antibodies; Protein Kinases
Applications Tested/Suitable for anti-PANK4 antibody	ELISA (EIA)
Application Notes for anti-PANK4 antibody	Applications are based on unconjugated antibody.

Related Product Information for anti-PANK4 antibody	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 most abundant in muscle but is expressed in all tissues. [provided by RefSeq]
Other Notes	Small volumes of anti-PANK4 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.
Searchable Terms for PANK4 purchase	MBS6168883 is an antibody targeting PANK4. Also known as PANK4 (Pantothenate Kinase 4, DKFZp547M242, FLJ10782) (APC). Host: Mouse.



Testing Data of anti-PANK4 antibody
Detection limit for recombinant GST tagged PANK4 is 0.3 ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PANK4. It may not necessarily be applicable to this product.

NCBI GI #	8922665
NCBI GeneID	55229
NCBI Accession #	NP_060686.1
UniProt Primary Accession #	Q9NVE7
UniProt Secondary Accession #	Q53EU3; Q5TA84; Q7RTX3; Q9H3X5; B9DI84
UniProt Related Accession #	Q68CU4; Q7RTX2; Q9NVE7
GenBank Nucleotide #	NM_018216.1
NCBI Official Full Name	pantothenate kinase 4
NCBI Official Synonym Full Names	pantothenate kinase 4
NCBI Official Symbol	PANK4
NCBI Official Synonym Symbols	FLJ10782; DKFZp547M242
UniProt Protein Name	Pantothenate kinase 4
UniProt Synonym Protein Names	Pantothenic acid kinase 4
Protein Family	Pantothenate kinase
UniProt Gene Name	PANK4
UniProt Synonym Gene Names	hPanK4
NCBI Protein Information	pantothenate kinase 4; hPanK4; OTTHUMP00000000865; OTTHUMP00000220861; OTTHUMP00000220862; pantothenic acid kinase 4
UniProt Comments for PANK4	Plays a role in the physiological regulation of the intracellular CoA concentration.

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