

Mouse PANK2 Monoclonal Antibody | anti-PANK2 antibody

PANK2 antibody

CATALOG # AAA106842	HOST Mouse	APPLICATIONS Western Blot, Immunohistochemistry, Immunofluorescence
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PRODUCT SYNONYMS

PANK2; Monoclonal Antibody; PANK2 antibody; Monoclonal PANK2; Anti-PANK2; Pantothenate kinase 2; HARP; PKAN; HSS; Pantothenic acid kinase 2; C20orf48; hPank2; PANK 2; PANK-2; anti-PANK2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	4B3
Purity/Purification	PANK2 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	570
Applicable Applications for anti-PANK2 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Biological Significance	PANK2 is a protein belonging to the pantothenate kinase family and is the only member of that family to be expressed in mitochondria. 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 acyl CoA species.
Cross-Reactivity	Human
Immunogen	PANK2 antibody was raised in mouse using a full length recombinant protein of human PANK2 (NP_705902) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of PANK2 protein in paraffin embedded Human prostate tissue using PANK2 antibody



WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant PANK2 protein (Right) or empty vector (Left) detected with PANK2 antibody



IF (Immunofluorescence)

Immunofluorescent staining of COS7 cells transiently transfected with recombinant PANK2 protein using PANK2 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-PANK2 antibody	Mouse monoclonal PANK2 antibody
Product Categories/Family for anti-PANK2 antibody	Proteases ; Inhibitors ; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	85838513
NCBI GeneID	80025
NCBI Accession #	NP_705902
NCBI GenBank Nucleotide #	NM_153638.2
UniProt Accession #	Q9BZ23 ; Q5T7I2 ; Q5T7I4 ; Q7RTX5 ; Q8N7Q4 ; Q8TCR5 ; Q9BYW5 ; Q9HAF2 ; B1AK33 ; B2Z3X0 ; D3DVZ0
Molecular Weight	50,582 Da
NCBI Official Full Name	pantothenate kinase 2, mitochondrial isoform 1 preproprotein
NCBI Official Synonym Full Names	pantothenate kinase 2
NCBI Official Symbol	PANK2
NCBI Official Synonym Symbols	HSS; HARP; PKAN; NBIA1; C20orf48
NCBI Protein Information	pantothenate kinase 2, mitochondrial
UniProt Protein Name	Pantothenate kinase 2, mitochondrial
UniProt Gene Name	PANK2
UniProt Synonym Gene Names	C20orf48; hPanK2
UniProt Entry Name	PANK2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/pank2-antibody-clone-4b3-western-blot-immunohistochemistry-immunofluorescence-elisa/106842>