



PANK4 rabbit pAb

Catalog No	YP-Ab-08236
Isotype	IgG
Reactivity	Human; Mouse; Rat
Applications	WB
Gene Name	PANK4
Immunogen	Synthesized peptide derived from human PANK4 AA range: 8-58
Specificity	This antibody detects endogenous levels of PANK4 at Human/Mouse/Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.351% sodium azide.
Source	Polyclonal, Rabbit, IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	4'-phosphopantetheine phosphatase; EC:3.1.3.-; hPank4; Inactive pantothenic acid kinase 4; PANK4; Pantothenate kinase 4 (hPank4) (EC 2.7.1.33) (Pantothenic acid kinase 4)
Observed Band	85kD
Calculated Molecular Weight	85kD
Cell Pathway	Cytoplasm .
Tissue Specificity	Ubiquitously expressed with higher expression in the muscle.
Function	catalytic activity: ATP + (R)-pantothenate = ADP + (R)-4'-phosphopantothenate., enzyme regulation: Regulated by feedback inhibition by CoA and its thioesters., function: Plays a role in the physiological regulation of the intracellular CoA concentration., pathway: Cofactor biosynthesis; coenzyme A biosynthesis; coenzyme A from pantothenate: step 1/5., similarity: Belongs to the type II pantothenate kinase family., subunit: Interacts with PKM2., tissue specificity: Ubiquitously expressed with higher expression in the muscle.,
Background	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, Jul 2008],

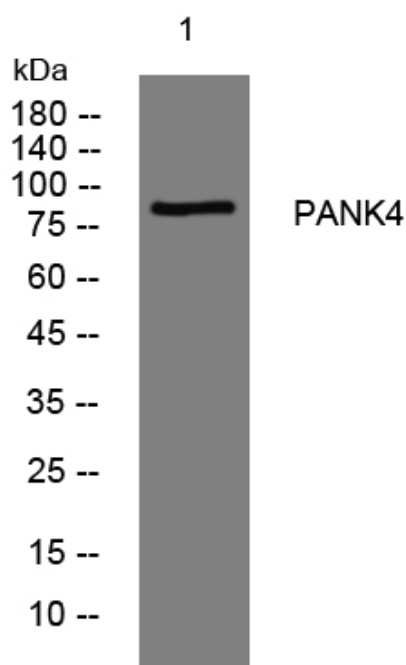
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from A431 cells, primary antibody was diluted at 1:1000, 4° over night