



# PANK4 mouse mAb

<b>Catalog No</b>	BYmab-08236
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human; Mouse;Rat
<b>Applications</b>	WB
<b>Gene Name</b>	PANK4
<b>Protein Name</b>	PANK4
<b>Immunogen</b>	Synthesized peptide derived from human PANK4 AA range: 8-58
<b>Specificity</b>	This antibody detects endogenous levels of PANK4 at Human/Mouse/Rat
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.351% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	Pantothenate kinase 4 (hPanK4) (EC 2.7.1.33) (Pantothenic acid kinase 4)
<b>Observed Band</b>	85kD
<b>Cell Pathway</b>	Cytoplasm .
<b>Tissue Specificity</b>	Ubiquitously expressed with higher expression in the muscle.
<b>Function</b>	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.,
<b>Background</b>	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

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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],

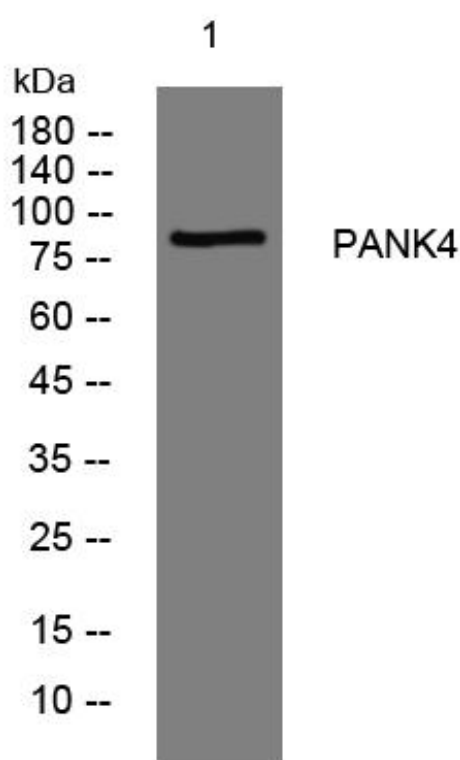
**matters needing attention**

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 various cells using PANK4 mouse mAb