

Store at -20C
#6923**PANK2 Antibody (Mouse Specific)**

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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
W	M	Endogenous	49	Rabbit	#Q7M753	74450

Product Usage Information	Application	Dilution
	Western Blotting	1:1000
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at -20°C. Do not aliquot the antibody.	
Specificity/Sensitivity	PANK2 Antibody (Mouse Specific) recognizes endogenous levels of total PANK2 protein.	
Source / Purification	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues near the amino terminus of mouse PANK2 protein. Antibodies are purified by protein A and peptide affinity chromatography.	
Background	Pantothenate kinase 2 (PANK2) catalyzes the first step in coenzyme A (CoA) biosynthesis (1,2). Human PANK2 protein is located in the mitochondria, and research studies have shown some mutations in human <i>PANK2</i> are linked to neurodegeneration (2). Alternatively, mouse PANK2 protein localizes in the cytosol, and defective PANK2 protein in mice leads to retinal degeneration (1,3).	
Background References	<ol style="list-style-type: none"> Leonardi, R. et al. (2007) <i>FEBS Lett</i> 581, 4639-44. Zhang, Y.M. et al. (2006) <i>J Biol Chem</i> 281, 107-14. Kuo, Y.M. et al. (2005) <i>Hum Mol Genet</i> 14, 49-57. 	

Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
Western Blot Buffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween@ 20 at 4°C with gentle shaking, overnight.
Applications Key	W: Western Blotting
Cross-Reactivity Key	M: Mouse
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