

#6923 Store at -20°C

PANK2 Antibody (Mouse Specific)



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

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

Product Usage Information	Application Western Blotting	Dilution 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	PANK2, pantothenate kinase 2, catalyzes the first step in CoA biosynthesis (1,2). Human PANK2 is located in the mitochondria, and research studies have shown some mutations in human PANK2 are linked to neurodegeneration (2). Alternatively, mouse PANK2 localizes in the cytosol, and defective PANK2 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	WB: Western Blotting
Cross-Reactivity Key	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected
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