

PANK4 (D8N2C) Rabbit mAb



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Applications: W, IP	Reactivity: H M R Hm Mk	Sensitivity: Endogenous	MW (kDa): 82	Source/Isotype: Rabbit IgG	UniProt ID: #Q9NVE7	Entrez-Gene Id: 55229
Product Usage Information		ApplicationWestern BlottingImmunoprecipitation			Dilution 1:1000 1:50	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		PANK4 (D8N2C) Rabbit mAb recognizes endogenous levels of total PANK4 protein.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Asn373 of human PANK4 protein.				
Background		A (CoA) synthesis (1-4) expressed, but higher rat skeletal muscle une pyruvate kinase M2 (P lowering the levels of gene are associated w	. There are four hui expression levels a der high glucose co KM2) <i>in vitro</i> (2). PA pro-caspase-9 (3). F ith Neurodegenera ndrome (1,4). Expre	te that is responsible for man PANK genes (PANK' re observed in muscle (' nditions (2). There is evi NK4 may also play a pro esearch studies have sh tion with Brain Iron Acco ssion of hPANK4 in a Dr ((4).	1-4) (1-4). PANK4 is I,2). PANK4 express dence that rat PAN otective role in beta lown that mutation umulation (NBIA), f	ubiquitously ion is elevated in K4 colocalizes with -cell apoptosis by s in the PANK2 ormerly known as
Background References		1. Zhou, B. et al. (2001) <i>Nat Genet</i> 28, 345-9. 2. Li, Y. et al. (2005) <i>Mol Cell Biochem</i> 277, 117-25. 3. Xiang, R.L. et al. (2007) <i>Cell Res</i> 17, 966-8. 4. Wu, Z. et al. (2009) <i>Hum Mol Genet</i> 18, 3659-72.				
Species Reacti	vity	Species reactivity is de	termined by testing	g in at least one approve	ed 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 IP: Immunoprecipitation				
Cross-Reactivity Key		H: Human M: Mouse R: Rat Hm: Hamster Mk: Monkey				
Trademarks and Patents		Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc.				

Limited Uses

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