Pannexin-1 (D9M1C) Rabbit mAb			
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Applications: WB, IP	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 45-55, 19	Source/Isotype: Rabbit IgG	UniProt ID: #Q96RD7	Entrez-Gene Id: 24145		
Product Usage Information	We	pplication estern Blotting munoprecipitation			Dilution 1:1000 1:100			
Storage			N	n HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than e at –20°C. Do not aliquot the antibody.				
Specificity / Sensitiv		Pannexin-1 (D9M1C) Rabbit mAb recognizes endogenous levels of total pannexin-1 protein. This antibody detects an amino-terminal pannexin-1 fragment produced by caspase cleavage.						
Source / Purificatior		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the amino terminus of human pannexin-1 protein.						
Background	inve high exp fam cha as g The allo Pan	ertebrate innexins ar nest expression in th ressed in the brain (illy gap junction prote nnels that are permo gap junction proteins ese pannexin "hemic wing permeability of	nd display distinct the heart, brain, sk (1,2) and pannexi eins form hemich eable to ions and s since pannexins hannels" may plat ions, ATP, and p vated by effector	d -3; PANX1-3) of gap ju t expression patterns (1 seletal muscle, testis, ar in-3 is found within the s annels that align adjace small molecules. In con s on adjacent cells may ay a role in inflammation otentially other small mo caspases (caspase-3 a apoptotic cells (7).). Pannexin-1 is widely id ovary (1,2). Pannex skin and connective tis ent cells, creating funct ntrast, pannexin protei not align to form comp , apoptosis, and neuro plecules into the extract	v expressed, with in-2 is predominately sues (1,3). Connexin tional intercellular ns may not function plete channels (3). onal signaling by cellular space (4-6).		
Background Referen	2. B 3. P 4. Q 5. S 6. M	enuela, S. et al. (20 2u, Y. et al. (2011) J ilverman, W.R. et al	003) Proc Natl A 07) J Cell Sci 124 Immunol 186, 65 . (2009) J Biol Cl hompson, R.J. (2	cad Sci U S A 100, 136 0, 3772-83. 53-61. hem 284, 18143-51. 2010) Trends Neurosci 3				
Species Reactivity	Spec	cies reactivity is dete	ermined by testing	g in at least one approve	ed application (e.g., w	estern blot).		
Western Blot Buffer			or western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0 at 4°C with gentle shaking, overnight.					
Applications Key	WB	: Western Blotting IF	P: Immunoprecipi	itation				
Cross-Reactivity Ke	X : X	 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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Limited Uses

Pannexin-1 (D9M1C) Rabbit mAb (#91137) Datasheet Without Images Cell Signaling Technology

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