e at -20C	HCN2 (D1C6I) Rabbit mAb		ll Signaling снмогоду [®]
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For Research	Use Only.	Not for U	se in Diagno	ostic Procedures.
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Applications: WB, IP	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 120	Source/Isotype: Rabbit IgG	UniProt ID: #Q9UL51	Entrez-Gene Id: 610		
Product Usage Information	Ap j We Imn	Dication stern Blotting nunoprecipitation			Dilution 1:1000 1:50			
Storage	Supj 0.02	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		HCN2 (D1C6I) Rabbit mAb recognizes endogenous levels of total HCN2 protein.						
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ala751 of human HCN2 protein.						
Background	The hype cycli state pote hete cAM cycli neur rhyth	voltage-activated ion erpolarization-activate c nucleotides cAMP a e. Research studies d ntial, and dendritic inf rotetramers compose P binding to the chan c nucleotide binding o ons may play a role i micity in cardiomyoc	channel super ed cyclic nucleo and cGMP pror emonstrate tha tegration in neu ed of HCN1 and onel, which trigg domain on the n acute inflamm ytes (7).	family includes both cyc tide-modulated (HCN) o notes the gating of these at HCN channels are inv urons (1,3). HCN protein d HCN2 subunits (4). Tet gers the release of the to channel pore (5). HCN o natory pain (6). Cardiac	lic nucleotide-gated (C hannels (1,2). The dird e channels, from the cl olved in repetitive firing s are found in homote ramerization of HCN p onic inhibition exerted l channels expressed in HCN channels ensure	NG) channels and ect binding of the osed to an open g, resting membrane tramers and proteins results from by the cytoplasmic dorsal root ganglia electrical		
Background References		 Craven, K.B. and Zagotta, W.N. (2006) Annu Rev Physiol 68, 375-401. Jan, L.Y. and Jan, Y.N. (1990) Nature 345, 672. Nolan, M.F. et al. (2003) Cell 115, 551-64. Ulens, C. and Tytgat, J. (2001) J Biol Chem 276, 6069-72. Lolicato, M. et al. (2011) J Biol Chem 286, 44811-20. Acosta, C. et al. (2012) PLoS One 7, e50442. Biel, M. et al. (2009) Physiol Rev 89, 847-85. 						
Species Reactivity		Species reactivity is determined by testing in at least one approved application (e.g., western blot).						
Western Blot Buffe	r IMPC 0.1%	RTANT: For western Tween® 20 at 4°C w	blots, incubate ith gentle shak	membrane with diluted ing, overnight.	primary antibody in 59	% w/v BSA, 1X TBS,		
Applications Key	WB:	Western Blotting IP:	Immunoprecipi	tation				
Cross-Reactivity K	ey H: hu X: Xe GP: 0	man M: mouse R: ra nopus Z: zebrafish B Guinea Pig Rab: rabb	t Hm: hamster bovine Dg: d bit All: all specie	Mk: monkey Vir: virus N og Pg: pig Sc: S. cerevi es expected	/i: mink C: chicken D siae Ce: C. elegans H	n: D. melanogaster r: horse		
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HCN2 (D1C6I) Rabbit mAb (#14957) Datasheet Without Images Cell Signaling Technology

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