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## Cell Signaling Store at -20C NLRX1 Antibody H 877-616-CELL (2355) orders@cellsignal.com Orders: Support: 877-678-TECH (8324) 583 info@cellsignal.com cellsignal.com Web: $\infty$

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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

Applications: W, IP	Reactivity: H	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 100	<b>Source/Isotype:</b> Rabbit	UniProt ID: #Q86UT6	Entrez-Gene Id: 79671
Product Usage Information		<b>Application</b> Western Blotting Immunoprecipitation			<b>Dilution</b> 1:1000 1:50	
Storage		Supplied in 10 mM soo 20°C. Do not aliquot th	dium HEPES (pH 7.5 ne antibody.	), 150 mM NaCl, 100 μg/	ml BSA and 50% gly	/cerol. Store at –
Specificity/Sensitivity		NLRX1 Antibody recognizes endogenous levels of total NLRX1 protein. This antibody cross-reacts with a 65 kDa protein of unknown origin.				
Species predict based on 100% homology	ted to react sequence	Monkey				
Source / Purific	cation	Polyclonal antibodies residues surrounding affinity chromatograp	are produced by im Lys441 of human N hy.	munizing animals with a ILRX1 protein. Antibodie	a synthetic peptide of sare purified by pro	corresponding to otein A and peptide
Background		The nucleotide-bindin family of cytoplasmic i terminal effector dom a pyrin domain (PYD), involved in recognition variety of roles during activation of proinflam through IRFs, and forr NLRX1 (CLR11.3/NOD2 amino-terminal mitocl contrast to most NLR p responses through inh mediated NF-kB activa reactive oxygen specie	g oligomerization o nnate immune rece ain, which is often followed by a NACH of pathogen-asso the innate immune matory cytokines t nation of inflamma 26/NOD5/NOD9) is nondrial targeting s proteins, NLRX1 ha nibition of MAVS-Rig tion (9-11). In addit es (ROS), resulting i	omain (NOD)-like recept eptors. They are charact either a caspase activation of domain and carboxy- ciated molecular patterr e response including pat hrough NF-κB, transcrip somes leading to activation unique among NLR fam sequence resulting in loo been shown to act as a g-I signaling, as well as in cion, overexpression of N n prolonged NF-κB and J	tor (NLR) family of p erized by the preser on and recruitment terminal leucine-ricl is (PAMPs) (1). NLR thogen sensing, tran tional activation of tion of inflammator ily members in that calization to the mit negative regulator nhibition of Toll-like NLRX1 enhanced the NK signaling in resp	roteins is a diverse nee of an amino- domain (CARD) or h-repeats (LRR) proteins play a nscriptional type I interferons y caspases (1-7). it contains an ochondria (8,9). In of innate immune receptor (TLR)- e production of ponse to TNF-α (8).
Background Re	eferences	1. Elinav, E. et al. (2011 2. Inohara, N. et al. (19 3. Ogura, Y. et al. (200 4. Sabbah, A. et al. (20 5. Mariathasan, S. et a 6. Agostini, L. et al. (20 7. Martinon, F. et al. (20 8. Tattoli, I. et al. (20 9. Moore, C.B. et al. (20 10. Allen, I.C. et al. (20 11. Xia, X. et al. (2011)	) Immunity 34, 665 999) J Biol Chem 274 1) J Biol Chem 276, 09) Nat Immunol 1 I. (2004) Nature 43( 004) Immunity 20, 3 002) Mol Cell 10, 41 002) Mol Cell 10, 41 002) Nature 451, 57 11) Immunity 34, 84	-79. 4, 14560-7. 4812-8. 0, 1073-80. 0, 213-8. 19-25. 7-26. -300. 3-7. 54-65. 53.		
Species Reactiv	vity	Species reactivity is de	termined by testin	g in at least one approve	ed application (e.g.,	western blot).
Western Blot B	Buffer	IMPORTANT: For west TBS, 0.1% Tween® 20	ern blots, incubate at 4°C with gentle s	membrane with diluted haking, overnight.	primary antibody ir	ו 5% w/v BSA, 1X
Applications K	ey	W: Western Blotting I	<b>?:</b> Immunoprecipita	tion		
Cross-Reactivit	ty Key	H: Human				

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