

NLRX1 (D4M3Z) Rabbit mAb



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Applications: W, IP	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 100	Source/Isotype: Rabbit IgG	UniProt ID: #Q86UT6	Entrez-Gene Id: 79671
Product Usage Information		Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:50	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		NLRX1 (D4M3Z) Rabbit mAb recognizes endogenous levels of total NLRX1 protein.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Val437 of human NLRX1 protein.				
Background		family of cytoplasmic interminal effector domain (PYD), involved in recognition variety of roles during activation of proinflam through IRFs, and form NLRX1 (CLR11.3/NOD2 amino-terminal mitoch contrast to most NLR presponses through inhediated NF-kB activa	nnate immune recain, which is often followed by a NACI of pathogen-assothe innate immun amatory cytokines followed by inflammation of inflammation of inflammation of inflammation of MAUS-Rition (9-11). In addition (9-11). In addition,	domain (NOD)-like recep eptors. They are charact either a caspase activati HT domain and carboxy-ciated molecular patterie response including pathrough NF-кB, transcrip asomes leading to activa unique among NLR fam sequence resulting in los been shown to act as a g-I signaling, as well as ition, overexpression of In prolonged NF-кB and	terized by the prese ton and recruitment terminal leucine-ric ns (PAMPs) (1). NLR thogen sensing, tra- ptional activation of tition of inflammato tily members in that calization to the mi a negative regulato inhibition of Toll-like NLRX1 enhanced th	nce of an amino- c domain (CARD) or ch-repeats (LRR) proteins play a inscriptional type I interferons ry caspases (1-7). tit contains an tochondria (8,9). In r of innate immune e receptor (TLR)- e production of
Background References		 Elinav, E. et al. (2011) Immunity 34, 665-79. Inohara, N. et al. (1999) J Biol Chem 274, 14560-7. Ogura, Y. et al. (2001) J Biol Chem 276, 4812-8. Sabbah, A. et al. (2009) Nat Immunol 10, 1073-80. Mariathasan, S. et al. (2004) Nature 430, 213-8. Agostini, L. et al. (2004) Immunity 20, 319-25. Martinon, F. et al. (2002) Mol Cell 10, 417-26. Tattoli, I. et al. (2008) EMBO Rep 9, 293-300. Moore, C.B. et al. (2008) Nature 451, 573-7. Allen, I.C. et al. (2011) Immunity 34, 854-65. Xia, X. et al. (2011) Immunity 34, 843-53. 				

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 W: Western Blotting IP: Immunoprecipitation

Cross-Reactivity Key H: Human M: Mouse R: Rat

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