e at -20C	NLRP3 (D4D8T) Rabbit mAb	C T	Cell Signaling		
Store at		Orders:	877-616-CELL (2355) orders@cellsignal.com		
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#1		3 Trask Lane Danvers	Massachusetts 01923 USA		

For Research Use Only.	Not for Use in Diagno	stic Procedures.

Applications: WB, W-S, IP	Reactivity: H M	Sensitivity: Endogenous	MW (kDa): 110	Source/Isotype: Rabbit IgG	UniProt ID: #Q8R4B8	Entrez-Gene Id: 216799
Product Usage Information	We Sir	pplication estern Blotting nple Western™ munoprecipitation			Dilution 1:1000 1:10 - 1:50 1:200	
Storage		•		7.5), 150 mM NaCl, 100 not aliquot the antibody		erol and less than
Specificity / Sensitivity		NLRP3 (D4D8T) Rabbit mAb recognizes endogenous levels of total NLRP3 protein.				
Species predicted react based on 100 sequence homolog	9%	nster				
Source / Purificatio		noclonal antibody is idues surrounding Al		nunizing animals with a s ILRP3 protein.	synthetic peptide corre	esponding to
Background	fam tern pyri invo vari proi forn NLF (8). stin	nily of cytoplasmic inn ninal effector domair in domain (PYD), foll olved in recognition of iety of roles during th inflammatory cytokin nation of inflammaso RP3 is an inflammaso The NLRP3 inflamm nuli, and therefore it	nate immune rec n, which is often e lowed by a NACH of pathogen-asso ne innate immune tes through NF-k omes leading to a ome-forming NLI nasome is assem is unlikely the NL	lomain (NOD)-like recep eptors. They are charact either a caspase activation T domain and carboxy- ciated molecular pattern e response including pat B, transcriptional activation citivation of inflammatory R that activates caspase abled in response to a wi RP3 directly interacts w cytes, and macrophages	erized by the presence on and recruitment do terminal leucine-rich-ri s (PAMPs) (1). NLR p hogen sensing, transc on of type I interferon / caspases (1-7). -1 leading to maturati de variety of microbia ith its activators (8). N	ee of an amino- main (CARD) or a repeats (LRR) proteins play a priptional activation of s through IRFs, and on of IL-1β and IL-18 I and endogenous
Background Refere	2. Ir 3. C 4. S 5. M 6. A 7. M 8. F	Elinav, E. et al. (2011 nohara, N. et al. (199 Ogura, Y. et al. (2001 Sabbah, A. et al. (200 Mariathasan, S. et al. Agostini, L. et al. (200 Martinon, F. et al. (201 Guarda, G. et al. (201	99) J Biol Chem 2) J Biol Chem 27)9) Nat Immunol (2004) Nature 4)4) Immunity 20, 02) Mol Cell 10, 2) Nat Immunol 2	274, 14560-7. 6, 4812-8. 10, 1073-80. 30, 213-8. 319-25. 417-26. 13, 325-32.		
Species Reactivity	Spec	cies reactivity is dete	ermined by testing	g in at least one approve	d application (e.g., we	estern blot).
Western Blot Buffe		ORTANT: For wester 6 Tween® 20 at 4°C		membrane with diluted ing, overnight.	primary antibody in 59	% w/v BSA, 1X TBS,
Applications Key Cross-Reactivity K		: Western Blotting W	I-S: Simple West	ern™ IP: Immunoprecip	itation	

3/23/24, 1:33 PM	NLRP3 (D4D8T) Rabbit mAb (#15101) Datasheet Without Images Cell Signaling Technology			
	 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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