e at -20C	AIM2 (D5X7K) Rabbit mAb	ALC: NO	Cell tec	Signaling H N O L O G Y [®]
Store at		Orders		877-616-CELL (2355) orders@cellsignal.com
2948		Suppo	ort:	877-678-TECH (8324)
129		Web:		info@cellsignal.com cellsignal.com
#1		3 Trask Lane Danv	vers Massa	chusetts 01923 USA

For Research Use Only	y. Not for Use in Diagnostic Procedu	ires
	y, Not for 03c in Diagnostic i roccut	1103.

Applications: WB, IP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 40	Source/Isotype: Rabbit IgG	UniProt ID: #O14862	Entrez-Gene Id: 9447
Product Usage Information	We	plication estern Blotting munoprecipitation			Dilution 1:1000 1:100	
Storage				7.5), 150 mM NaCl, 100 not aliquot the antibody		erol and less than
Specificity / Sensiti		I2 (D5X7K) Rabbit m ected at 22 kDa in so	0	ndogenous levels of tota	al AIM2 protein. An un	known band is
Species predicted t react based on 100 sequence homolog	%	nkey				
Source / Purificatio		noclonal antibody is dues surrounding Ly		nunizing animals with a s M2 protein.	synthetic peptide corre	esponding to
Background	and Exp high criti cyto "infl NLF dou bino with	carboxy-terminal H ression of AIM2 can n frequency of mutat cal role in the actival okines IL-1β and IL-1 ammasomes" (5,6). RP3/NALP3, IPAF, au ble-stranded DNA, r ding of the pyrin dom	N-200 domain th inhibit cell grown ions associated v tion of caspase-1 a. Caspase-1 ac Distinct inflammand and AIM2. The HII esulting in caspa iain of AIM2 to the sult, AIM2 has be	feron-inducible protein of hat functions in innate im th and tumor formation (with microsatellite-unsta L, the protease responsil ctivation is regulated by a asome complexes have N-200 domain of AIM2 is ase-1 activation. (7-9). The c CARD-domain protein sen demonstrated to be	amunity and tumor pro 2,3). Furthermore, the ble colorectal cancers ole for the processing multi-protein complexe been described conta s responsible for bindin his inflammasome cor a ASC/TMS1, which th	gression (1). <i>AIM2</i> gene has a (4). AIM2 has a of pro-inflammatory es referred to as ining NLRP1/NALP1, ng to cytoplasmic nplex also involves en interacts directly
Background Refere	2. C 3. P 4. W 5. S 6. K 7. R 8. H 9. F 10. J 11. F	chroder, K. and Tsch hare, S. et al. (2010 oberts, T.L. et al. (20 lornung, V. et al. (20 ernandes-Alnemri, T ones, J.W. et al. (20	i) Mol Cancer Th 0) Int J Cancer 1 2007) Genes Ch 10pp, J. (2010) C) Crit Rev Immur 209) Science 323 09) Nature 458, 1 T. et al. (2009) Na 10) Proc Natl Act T. et al. (2010) Na	er 5, 1-7. 26, 1838-49. romosomes Cancer 46, cell 140, 821-32. nol 30, 463-87. 3, 1057-60. 514-8. ature 458, 509-13. ad Sci USA 107, 9771-6 at Immunol 11, 385-93.		
Species Reactivity	Spec	cies reactivity is dete	rmined by testing	g in at least one approve	ed application (e.g., we	estern blot).
Western Blot Buffe		DRTANT: For wester 5 Tween® 20 at 4°C		membrane with diluted ing, overnight.	primary antibody in 59	% w/v BSA, 1X TBS,

3/23/24, 1:35 PM	AIM2 (D5X7K) Rabbit mAb (#12948) Datasheet Without Images Cell Signaling Technology WB: Western Blotting IP: Immunoprecipitation			
Applications Key				
Cross-Reactivity Key	 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 			
Trademarks and Patents	Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc. XP is a registered trademark of Cell Signaling Technology, Inc. All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks for more information.			
Limited Uses	Except as otherwise expressly agreed in a writing signed by a legally authorized representative of CST, the following terms apply to Products provided by CST, its affiliates or its distributors. Any Customer's terms and conditions that are in addition to, or different from, those contained herein, unless separately accepted in writing by a legally authorized representative of CST, are rejected and are of no force or effect.			
	Products are labeled with For Research Use Only or a similar labeling statement and have not been approved, cleared, or licensed by the FDA or other regulatory foreign or domestic entity, for any purpose. Customer shall not use any Product for any diagnostic or therapeutic purpose, or otherwise in any manner that conflicts with its labeling statement. Products sold or licensed by CST are provided for Customer as the end-user and solely for research and development uses. Any use of Product for diagnostic, prophylactic or therapeutic purposes, or any purchase of Product for resale (alone or as a component) or other commercial purpose, requires a separate license from CST. Customer shall (a) not sell, license, loan, donate or otherwise transfer or make available any Product to any third party, whether alone or in combination with other materials, or use the Products to manufacture any commercial products, (b) not copy, modify, reverse engineer, decompile, disassemble or otherwise attempt to discover the underlying structure or technology of the Products, or use the Products for the purpose of developing any products or services that would compete with CST product or services, (c) not alter or remove from the Products any trademarks, trade names, logos, patent or copyright notices or markings, (d) use the Products solely in accordance with CST Product Terms of Sale and any applicable documentation, and (e) comply with any license, terms of service or similar agreement with respect to any third party products or services used by Customer in connection with the Products.			