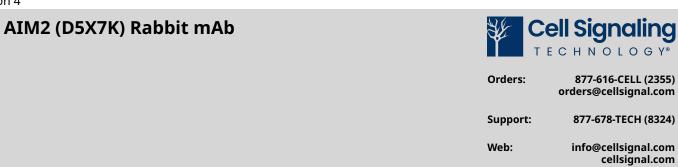
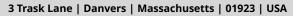
Store at -20C

948





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

Applications: W, IP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 40	Source/Isotype: Rabbit IgG	UniProt ID: #O14862	Entrez-Gene Id: 9447	
Product Usage Information		Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:100		
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		AIM2 (D5X7K) Rabbit mAb recognizes endogenous levels of total AIM2 protein. An unknown band is detected at 22 kDa in some cell lines.					
Species predicted to react based on 100% sequence homology		Monkey					
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Lys93 of human AIM2 protein.					
Background		domain and carboxy-tu progression (1). Expres <i>AIM2</i> gene has a high cancers (4). AIM2 has a processing of pro-infla protein complexes refe described containing N responsible for binding This inflammasome co protein ASC/TMS1, wh	erminal HIN-200 do ssion of AIM2 can in frequency of muta a critical role in the immatory cytokines erred to as "inflamr NLRP1/NALP1, NLR g to cytoplasmic do implex also involve ich then interacts c	eron-inducible protein c omain that functions in i nhibit cell growth and tu tions associated with mi activation of caspase-1, s IL-1 β and IL-18. Caspas nasomes" (5,6). Distinct P3/NALP3, IPAF, and AIN puble-stranded DNA, res s binding of the pyrin de lirectly with caspase-1. A for a number of different	nnate immunity and imor formation (2,3 crosatellite-unstabl the protease respo se-1 activation is req inflammasome con 42. The HIN-200 doi ulting in caspase-1 omain of AIM2 to the sa result, AIM2 has	d tumor). Furthermore, the e colorectal nsible for the gulated by multi- nplexes have been main of AIM2 is activation. (7-9). e CARD-domain s been	
Background R	eferences	1. DeYoung, K.L. et al. (2006) 3. Patsos, G. et al. (2006) 4. Woerner, S.M. et al. (2010) 5. Schroder, K. and Tsc 6. Khare, S. et al. (2010) 7. Roberts, T.L. et al. (2010) 7. Roberts, T.L. et al. (2010) 9. Fernandes-Alnemri, 10. Jones, J.W. et al. (2010) 11. Fernandes-Alnemri 12. Kim, S. et al. (2010)	5) <i>Mol Cancer Ther</i> 0) <i>Int J Cancer</i> 126, (2007) <i>Genes Chrol</i> hopp, J. (2010) <i>Cell</i> 1) <i>Crit Rev Immuno</i> 009) <i>Science</i> 323, 1 009) <i>Nature</i> 458, 5 ⁻¹ T. et al. (2009) <i>Natu</i> 10) <i>Proc Natl Acad</i> i, T. et al. (2010) <i>Na</i>	5, 1-7. . 1838-49. <i>mosomes Cancer</i> 46, 108 140, 821-32. /30, 463-87. 057-60. 14-8. <i>ure</i> 458, 509-13. <i>'Sci USA</i> 107, 9771-6. <i>t Immunol</i> 11, 385-93.	80-9.		
Species Reacti	vity	Species reactivity is de	termined by testin	g in at least one approve	ed 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 K	ey	W: Western Blotting IF	?: Immunoprecipita	ation			
Cross-Reactivity Key		H: Human					

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