

8055

AIM2 Antibody



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

Applications: W	Reactivity:	Sensitivity: Endogenous	MW (kDa): 40	Source/Isotype: Rabbit	UniProt ID: #O14862	Entrez-Gene Id 9447
Product Usage Information		Application Western Blotting			Dilution 1:1000	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		AIM2 Antibody recognizes endogenous levels of total AIM2 protein.				
Species predicted to react based on 100% sequence homology		Monkey				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Pro250 of human AIM2 protein. Antibodies are purified by protein A and peptide affinity chromatography.				
Background		domain and carboxy-t progression (1). Expre AIM2 gene has a high cancers (4). AIM2 has processing of pro-inflat protein complexes ref described containing responsible for bindin This inflammasome co protein ASC/TMS1, wh	terminal HIN-200 do ssion of AIM2 can ifrequency of muta a critical role in the ammatory cytokine ferred to as "inflami NLRP1/NALP1, NLR of to cytoplasmic do pmplex also involve hich then interacts of	eron-inducible protein comain that functions in inhibit cell growth and totions associated with mi activation of caspase-1, s IL-1β and IL-18. Caspa masomes" (5,6). Distinct P3/NALP3, IPAF, and AIN buble-stranded DNA, ress binding of the pyrin defirectly with caspase-1. A for a number of differe	nnate immunity an umor formation (2,3 icrosatellite-unstable the protease response-1 activation is reinflammasome cor M2. The HIN-200 do sulting in caspase-1 omain of AIM2 to the As a result, AIM2 ha	d tumor S). Furthermore, the le colorectal onsible for the gulated by multi-nplexes have been main of AIM2 is activation. (7-9). The CARD-domain is been
Background Ref	ferences	1. DeYoung, K.L. et al. (1997) Oncogene 15, 453-7. 2. Chen, I.F. et al. (2006) Mol Cancer Ther 5, 1-7. 3. Patsos, G. et al. (2010) Int J Cancer 126, 1838-49. 4. Woerner, S.M. et al. (2007) Genes Chromosomes Cancer 46, 1080-9. 5. Schroder, K. and Tschopp, J. (2010) Cell 140, 821-32. 6. Khare, S. et al. (2010) Crit Rev Immunol 30, 463-87. 7. Roberts, T.L. et al. (2009) Science 323, 1057-60. 8. Hornung, V. et al. (2009) Nature 458, 514-8. 9. Fernandes-Alnemri, T. et al. (2009) Nature 458, 509-13. 10. Jones, J.W. et al. (2010) Proc Natl Acad Sci USA 107, 9771-6. 11. Fernandes-Alnemri, T. et al. (2010) Nat Immunol 11, 385-93. 12. Kim, S. et al. (2010) Eur J Immunol 40, 1545-51.				
Species Reactivi	itv	Species reactivity is de	etermined by testin	n in at least one annrow	ad application (e.g.	wastarn blot)

Species Reactivity

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

Cross-Reactivity Key H: Human

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