

For Research Use Only

AIM2 Polyclonal ANTIBODY



Catalog Number: 20590-1-AP **5 Publications**

Basic Information

Catalog Number: 20590-1-AP	GenBank Accession Number: BC010940	Purification Method: Antigen affinity purification
Size: 150UL, Concentration: 573 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 9447	Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200
Source: Rabbit	Full Name: absent in melanoma 2	
Isotype: IgG	Calculated MW: 343 aa, 39 kDa	
Immunogen Catalog Number: AG14520	Observed MW: 39-45 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB: K-562 cells, A549 cells, COLO 320 cells, HeLa cells, HepG2 cells, Jurkat cells, MCF-7 cells, mouse testis tissue, rat testis tissue, SH-SY5Y cells
Cited Applications: IHC, WB	IHC: human testis tissue,
Species Specificity: human, mouse, rat	
Cited Species: human, mouse, rat	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

Absent in melanoma 2 (AIM2) is a sensor of cytosolic DNA that is responsible for activation of the inflammasome and host immune responses to DNA viruses and intracellular bacteria [PMID: 22695634]. Upon binding to DNA, it is thought to undergo oligomerization and to associate with PYCARD initiating the recruitment of caspase-1 precursor and processing of interleukin-1 beta and interleukin-18. Otherwise, it functions as a tumor suppressor which may act by repressing NF-kappa-B transcriptional activity [PMID:16432157,20566831].

Notable Publications

Author	Pubmed ID	Journal	Application
Qingling Guo	29915579	Front Immunol	IHC,IF
Yi Liao	30846986	Front Immunol	WB
G-Q Hu	26838050	Mucosal Immunol	WB

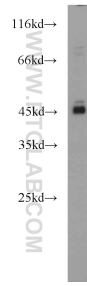
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

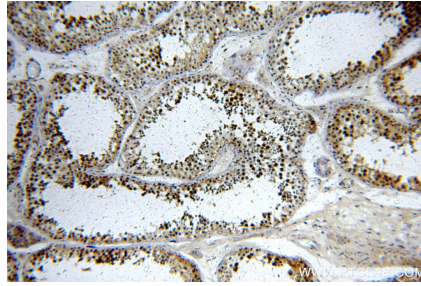
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



K-562 cells were subjected to SDS PAGE followed by western blot with 20590-1-AP (AIM2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human testis using 20590-1-AP (AIM2 antibody) at dilution of 1:100 (under 10x lens).