

For Research Use Only

AIM2 Monoclonal antibody, PBS Only



Catalog Number: 66902-1-PBS

Basic Information

Catalog Number: 66902-1-PBS	GenBank Accession Number: BC010940	Purification Method: Protein A purification
Size: 1mg/ml	GeneID (NCBI): 9447	CloneNo.: 3E12A8
Source: Mouse	UNIPROT ID: O14862	
Isotype: IgG1	Full Name: absent in melanoma 2	
Immunogen Catalog Number: AG14607	Calculated MW: 343 aa, 39 kDa	
	Observed MW: 37-39 and 53 kDa	

Applications

Tested Applications:
WB, IHC, Indirect ELISA

Species Specificity:
Human, mouse, rat, rabbit

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]. 66902-1-Ig antibody detects the 37-39 and 53 kDa protein in SDS-PAGE similar to the paper published. [PMID: 28809949]

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

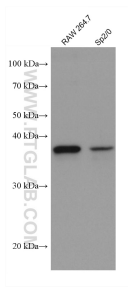
T: 4006900926

E: Proteintech-CN@ptglab.com

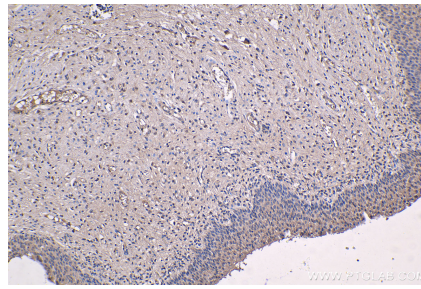
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66902-1-Ig (AIM2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66902-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human urothelial carcinoma tissue slide using 66902-1-Ig (AIM2 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66902-1-PBS in a different storage buffer formulation.