

For Research Use Only

# AIM2 Monoclonal antibody, PBS Only

Catalog Number: 66902-1-PBS

Featured Product



## Basic Information

**Catalog Number:**

66902-1-PBS

**Size:**

100ug, Concentration: 1 mg/ml by Nanodrop;

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG14607

**GenBank Accession Number:**

BC010940

**GeneID (NCBI):**

9447

**UNIPROT ID:**

O14862

**Full Name:**

absent in melanoma 2

**Calculated MW:**

343 aa, 39 kDa

**Observed MW:**

37-39 and 53 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

3E12A8

## 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

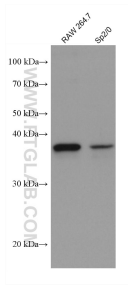
For technical support and original validation data for this product please contact:

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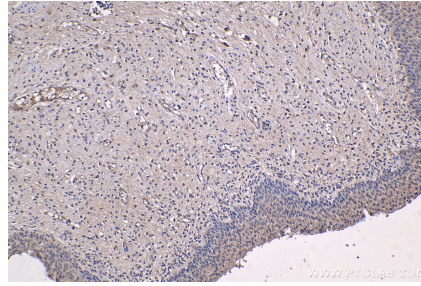
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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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.