

For Research Use Only

# AIM2 Monoclonal antibody

Catalog Number:66902-3-Ig



## Basic Information

<b>Catalog Number:</b> 66902-3-Ig	<b>GenBank Accession Number:</b> BC010940	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 9447	<b>CloneNo.:</b> 4C6E1
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> O14862	<b>Recommended Dilutions:</b> WB 1:2000-1:10000
<b>Isotype:</b> IgG2a	<b>Full Name:</b> absent in melanoma 2	
<b>Immunogen Catalog Number:</b> AG14607	<b>Calculated MW:</b> 343 aa, 39 kDa	
	<b>Observed MW:</b> 39 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : Daudi cells, Raji cells, Karpas-299 cells, U266 cells, MJ cells, HuT 78 cells, U-87 MG cells
<b>Species Specificity:</b> human	

## 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 -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:

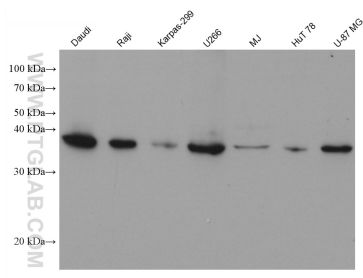
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66902-3-Ig (AIM2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.