

# AIM2 Polyclonal antibody

Catalog Number: 20590-1-AP

Featured Product

21 Publications

## Basic Information

## Catalog Number:

20590-1-AP

## Size:

750 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG14520

## GenBank Accession Number:

BC010940

## GeneID (NCBI):

9447

## UNIPROT ID:

O14862

## Full Name:

absent in melanoma 2

## Calculated MW:

343 aa, 39 kDa

## Observed MW:

39-42 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:1000-1:6000

IHC 1:20-1:200

## Applications

## Tested Applications:

IHC, WB, ELISA

## Cited Applications:

WB, IHC

## Species Specificity:

human, mouse, rat

## Cited Species:

human, rat, mouse

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

## Positive Controls:

**WB** : A431 cells, HeLa cells, Jurkat cells, SH-SY5Y cells, mouse testis tissue, rat testis tissue, MCF-7 cells, A549 cells, COLO 320 cells, HepG2 cells, Raji cells

**IHC** : human testis tissue,

## 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
Liangmin Fu	36248876	Front Immunol	WB,IHC
JiangFan Yu	36248980	Front Oncol	WB
Saleela M Ruwanpura	36037355	Proc Natl Acad Sci U S A	WB,IHC

## 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

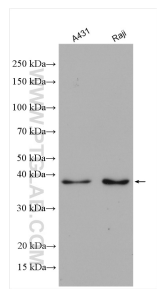
For technical support and original validation data for this product please contact:

T: 4006900926

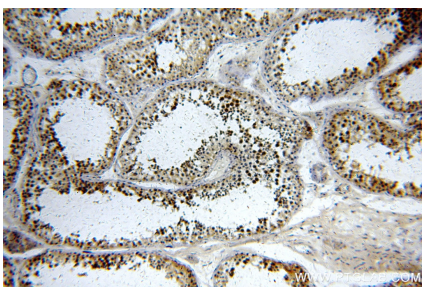
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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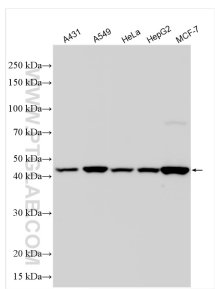
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 20590-1-AP (AIM2 antibody) at dilution of 1:3000 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).



Various lysates were subjected to SDS PAGE followed by western blot with 20590-1-AP (AIM2 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.