

For Research Use Only

CoraLite® Plus 488-conjugated AIM2 Monoclonal antibody

Catalog Number: CL488-66902

Featured Product



Basic Information

Catalog Number:

CL488-66902

Concentration:

1000 ug/ml

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 G purification

CloneNo.:

3E12A8

Recommended Dilutions:

WB 1:500-1:1000

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

WB, IF/ICC

Species Specificity:

human, mouse, rat, rabbit

Positive Controls:

WB : RAW 264.7 cells,

IF/ICC : MCF-7 cells,

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. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3

Aliquoting is unnecessary for -20°C storage

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

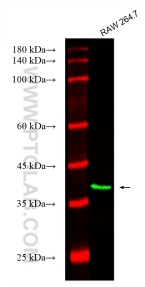
T: 4006900926

E: Proteintech-CN@ptglab.com

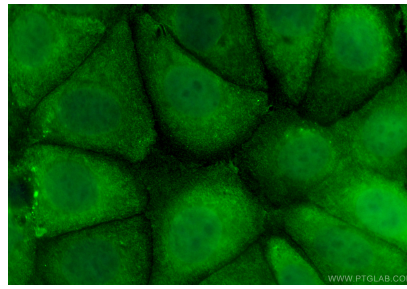
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with CL488-66902 (AIM2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using CoraLite® Plus 488 AIM2 antibody (CL488-66902, Clone: 3E12A8) at dilution of 1:200.