

For Research Use Only

CoraLite® Plus 488-conjugated AIM2 Monoclonal antibody

Catalog Number: CL488-66902

Featured Product



Basic Information

Catalog Number:

CL488-66902

Size:

100ul , Concentration: 1000 ug/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 G purification

CloneNo.:

3E12A8

Recommended Dilutions:

WB 1:500-1:1000

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

WB

Species Specificity:

human, mouse, rat, rabbit

Positive Controls:

WB : RAW 264.7 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, pH 7.3.

Aliquoting is unnecessary for -20°C storage

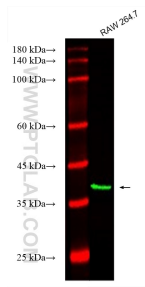
For technical support and original validation data for this product please contact:

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.