

For Research Use Only

# ATAD3A/B Recombinant antibody

Catalog Number: 86461-2-RR



## Basic Information

Catalog Number:

86461-2-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9836

GenBank Accession Number:

BC002542

GeneID (NCBI):

83858

UNIPROT ID:

Q5T9A4

Full Name:

ATPase family, AAA domain containing 3B

Calculated MW:

72 kDa

Observed MW:

65-70 kDa

Purification Method:

Protein A purification

CloneNo.:

251342C9

Recommended Dilutions:

WB: 1:5000-1:50000

IF/ICC: 1:500-1:2000

## Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : A549 cells, U-251 cells, mouse kidney tissue, rat kidney tissue, mouse brain tissue

IF/ICC : HEPG2 cells,

## Background Information

ATAD3 (ATPase family AAA Domain-containing protein 3) is a mitochondrial membrane bound ATPase whose function has not yet been discovered but its role is essential for embryonic development. The analysis of the cellular properties of ATAD3A and ATAD3B in different human cancer cell lines shows on the contrary that they can present anti-proliferative and chemoresistant properties.

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

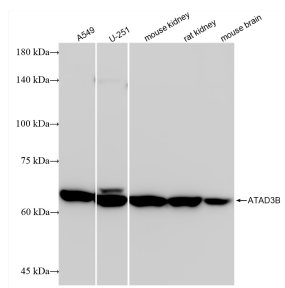
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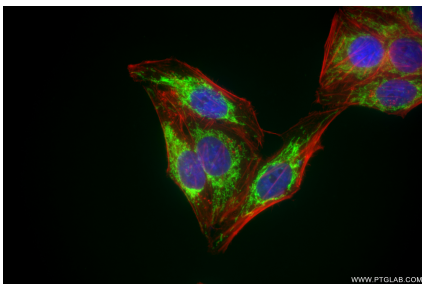
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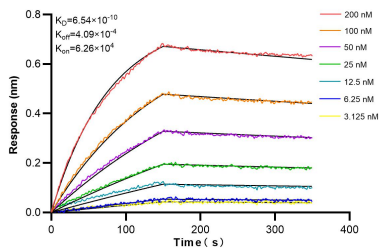
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86461-2-RR (ATAD3B antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HEPG2 cells using ATAD3A/B antibody (86461-2-RR, Clone: 251342C9) at dilution of 1:1000 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Biolayer interferometry (BLI) kinetic assays of 86461-2-RR against Human ATAD3A/B were performed. The affinity constant is 0.654 nM.