

For Research Use Only

# ATL2 Polyclonal antibody

Catalog Number: 16688-1-AP

Featured Product

7 Publications



## Basic Information

Catalog Number:

16688-1-AP

Size:

350 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10030

GenBank Accession Number:

BC053508

GeneID (NCBI):

64225

UNIPROT ID:

Q8NHH9

Full Name:

atlastin GTPase 2

Calculated MW:

412aa, 47 kDa; 583aa, 66 kDa

Observed MW:

66 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IHC 1:50-1:500

## Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IF

Species Specificity:

human

Cited Species:

human, mouse, monkey

**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 : HEK-293 cells, A549 cells, HeLa cells, Jurkat cells, HepG2 cells, SH-SY5Y cells

IHC : human intrahepatic cholangiocarcinoma tissue, human ovary cancer tissue

## Background Information

ATL2, also known as Atlastin GTPase 2, is involved in various cellular processes, including the organization of the Golgi apparatus, the endoplasmic reticulum tubular network membrane organization, and protein homooligomerization. It is located in the endoplasmic reticulum tubular network membrane and is an integral component of the membrane. The ATL2 gene has multiple transcripts and isoforms, with 18 transcripts (splice variants), 297 orthologues, and 10 paralogues. ATL2 also plays a significant role in the immune response, particularly in plants. In Arabidopsis thaliana, the ATL2 gene is involved in the response to fungal pathogen infection. The expression of ATL2 is low under normal growth conditions but is rapidly and significantly induced by exogenous chitin. also plays

## Notable Publications

Author	Pubmed ID	Journal	Application
Nan Liu	33988678	J Cell Biol	IF
Toshiaki Sakisaka	35894092	J Biochem	WB, IF
Qingzhou Chen	30773365	Curr Biol	WB

## 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:

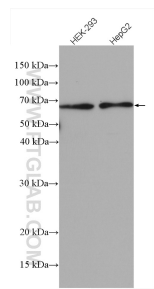
T: 4006900926

E: Proteintech-CN@ptglab.com

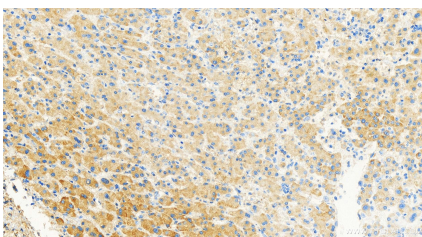
W: ptgcn.com

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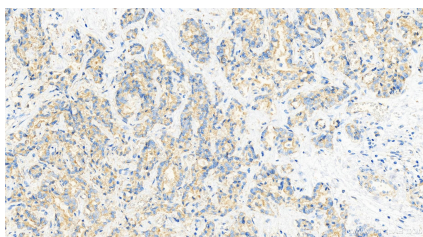
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 16688-1-AP (ATL2 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 16688-1-AP (ATL2 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 16688-1-AP (ATL2 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).