

For Research Use Only

# ATL2 Polyclonal antibody

Catalog Number: 16688-1-AP

Featured Product

7 Publications



## Basic Information

### Catalog Number:

16688-1-AP

### Size:

150ul, Concentration: 350 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;

### 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

### 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

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

## 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 is also known to play 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.

## 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

\*\*\* 20ul sizes contain 0.1% BSA

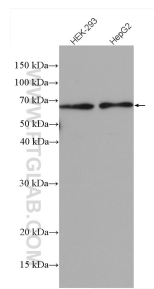
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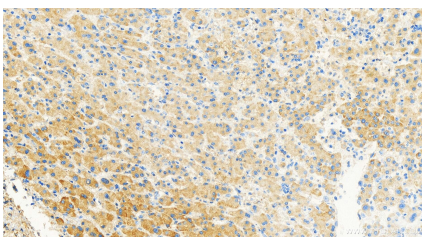
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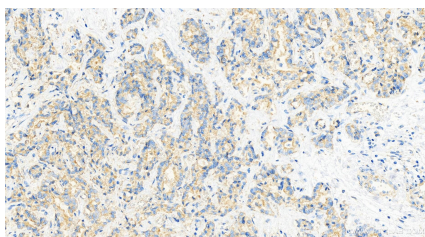
## Selected Validation Data



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).