

For Research Use Only

# ATL3 Recombinant antibody

Catalog Number: 84578-3-RR



## Basic Information

### Catalog Number:

84578-3-RR

### Size:

100ul , Concentration: 1000 µg/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG10248

### GenBank Accession Number:

BC077727

### GeneID (NCBI):

25923

### UNIPROT ID:

Q6DD88

### Full Name:

atlastin GTPase 3

### Calculated MW:

541 aa, 61 kDa

### Observed MW:

58-61 kDa

### Purification Method:

Protein A purification

### CloneNo.:

241937G3

### Recommended Dilutions:

WB 1:5000-1:50000

## Applications

### Tested Applications:

WB, ELISA

### Species Specificity:

human

### Positive Controls:

WB : HeLa cells, Jurkat cells, HEK-293 cells, PC-3 cells

## Background Information

ATL3, belonging to a class of dynamin-like GTPase, was reported to mediate ER fusion. ATL3 is required for the proper formation of the network of interconnected tubules of the endoplasmic reticulum. ATL3 functions as a receptor for ER-phagy, promoting tubular ER degradation upon starvation. Mutations in this gene may be associated with hereditary sensory neuropathy type IF.

## 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

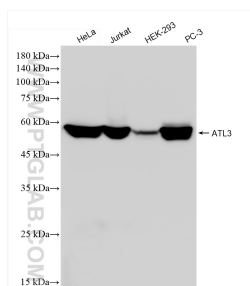
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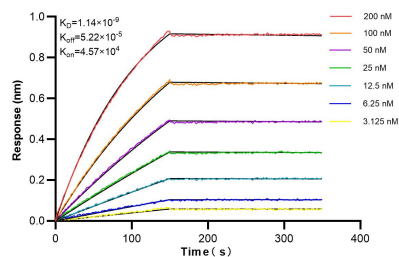
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84578-3-RR (ATL3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 84578-3-RR against Human ATL3 were performed. The affinity constant is 1.14 nM.