

For Research Use Only

ATL1 Polyclonal antibody

Catalog Number: 31924-1-AP



Basic Information

Catalog Number:

31924-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG29223

GenBank Accession Number:

BC010708

GeneID (NCBI):

51062

UNIPROT ID:

Q8WXF7

Full Name:

atlastin GTPase 1

Calculated MW:

64 kDa

Observed MW:

50 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB 1:1000-1:4000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, rat, pig

Positive Controls:

WB : rat brain tissue, fetal human brain tissue, pig brain tissue

Background Information

ATL1 encodes atlastin-1, a GTPase that plays a crucial role in maintaining the structure and function of the endoplasmic reticulum. Mutations in ATL1 are one of the most common causes of hereditary spastic paraplegia (HSP) (PMID: 38851544). tlastin-1 is regulated by ubiquitination, a post-translational modification that can affect its activity and localization. For example, the E3 ubiquitin ligase SYVN1 has been shown to ubiquitinate atlastin-1, inhibiting its GTPase activity and thereby affecting ER morphology (PMID: 32916628).

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

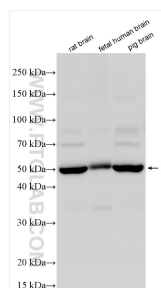
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com
W: ptglab.com

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 31924-1-AP (ATL1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.