

ATL3 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP4715c

Specification

ATL3 Antibody (Center) - Product Information

Application WB,E
Primary Accession Other Accession O0ZHH6

Reactivity Human, Hamster, Mouse

Predicted Rat
Host Rabbit
Clonality Polyclonal
Isotype Rabbit IgG
Calculated MW 60542
Antigen Region 217-245

ATL3 Antibody (Center) - Additional Information

Gene ID 25923

Other Names

Atlastin-3, 365-, ATL3

Target/Specificity

This ATL3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 217-245 amino acids from the Central region of human ATL3.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

ATL3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

ATL3 Antibody (Center) - Protein Information

Name ATL3

Function GTPase tethering membranes through formation of trans- homooligomers and mediating





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homotypic fusion of endoplasmic reticulum membranes. Functions in endoplasmic reticulum tubular network biogenesis (PubMed: 18270207, PubMed: 19665976, PubMed: 27619977).

Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein Note=Localizes to endoplasmic reticulum tubules and accumulates in punctuate structures corresponding to 3-way junctions, which represent crossing-points at which the tubules build a polygonal network

Tissue Location

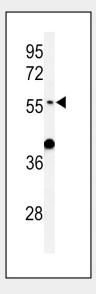
Expressed in the central nervous system and in dorsal root ganglia neurons. Expressed in peripheral tissues (at protein level).

ATL3 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

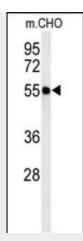
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ATL3 Antibody (Center) - Images



Western blot analysis of ATL3 Antibody (Center) (Cat. #AP4715c) in mouse liver tissue lysates (35ug/lane). ATL3 (arrow) was detected using the purified Pab.





Western blot analysis of ATL3 Antibody (Center) (Cat. #AP4715c) in CHO cell line lysates (35ug/lane). ATL3 (arrow) was detected using the purified Pab.

ATL3 Antibody (Center) - Background

ATL3 is GTPase tethering membranes through formation of trans-homooligomer and mediating homotypic fusion of endoplasmic reticulum membranes. ATL3 is function in endoplasmic reticulum tubular network biogenesis.

ATL3 Antibody (Center) - References

Hu, J., et al. Cell 138(3):549-561(2009) Rismanchi, N., et al. Hum. Mol. Genet. 17(11):1591-1604(2008)