10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# ATP11B Antibody (N-Terminus)

**Rabbit Polyclonal Antibody**
**Catalog # ALS14118**

## Specification

### ATP11B Antibody (N-Terminus) - Product Information

| | |
|---|---|
| Application | **ICC, IF, WB, IHC** |
| Primary Accession | Q9Y2G3 |
| Reactivity | **Human, Mouse** |
| Host | **Rabbit** |
| Clonality | **Polyclonal** |
| Calculated MW | **134kDa KDa** |

### ATP11B Antibody (N-Terminus) - Additional Information

**Gene ID** 23200

**Other Names**
Probable phospholipid-transporting ATPase IF, 3.6.3.1, ATPase IR, ATPase class VI type 11B, P4-ATPase flippase complex alpha subunit ATP11B, ATP11B, ATPIF, ATPIR, KIAA0956

**Target/Specificity**
Human ATP11B

**Reconstitution & Storage**
Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

**Precautions**
ATP11B Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

### ATP11B Antibody (N-Terminus) - Protein Information

**Name** ATP11B

**Synonyms** ATPIF, ATPIR, KIAA0956

**Function**
Catalytic component of a P4-ATPase flippase complex which catalyzes the hydrolysis of ATP coupled to the transport of aminophospholipids, phosphatidylserines (PS) and phosphatidylethanolamines (PE), from the outer to the inner leaflet of intracellular membranes (PubMed:<a href="http://www.uniprot.org/citations/30018401" target="_blank">30018401</a>). May contribute to the maintenance of membrane lipid asymmetry in endosome compartment (PubMed:<a href="http://www.uniprot.org/citations/30018401" target="_blank">30018401</a>).

**Cellular Location**
Recycling endosome membrane; Multi-pass membrane protein. Early endosome. Endoplasmic reticulum. Golgi apparatus, trans-Golgi network. Note=Exit from the endoplasmic reticulum

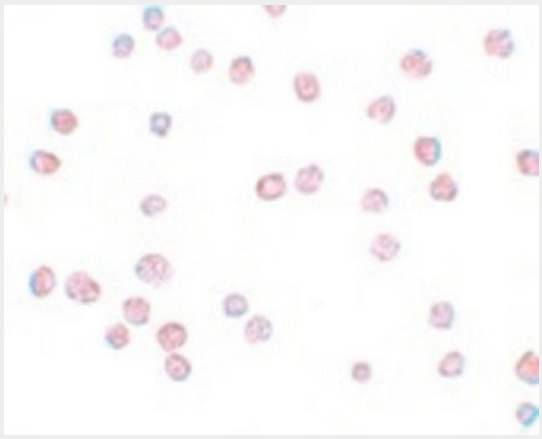
requires the presence of TMEM30A, but not TMEM30B (PubMed:21914794). In the presence of TMEM30A, mainly located in recycling endosomes (PubMed:21914794).

### ATP11B Antibody (N-Terminus) - Protocols

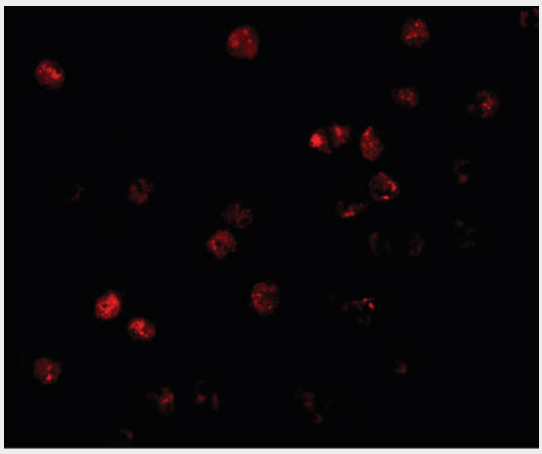
Provided below are standard protocols that you may find useful for product applications.

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

### ATP11B Antibody (N-Terminus) - Images

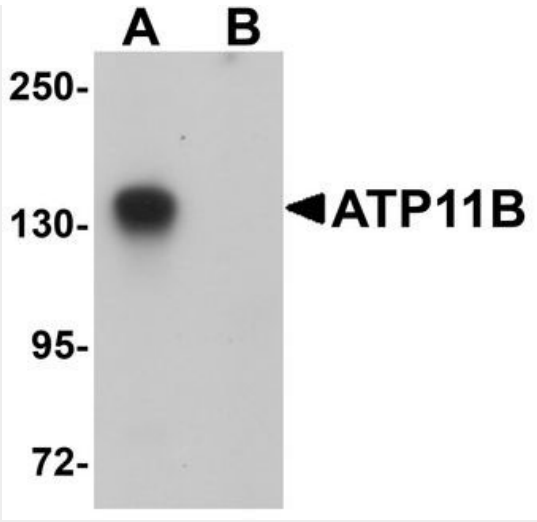


Immunocytochemistry of ATP11B in K562 cells with ATP11B antibody at 10 ug/ml.

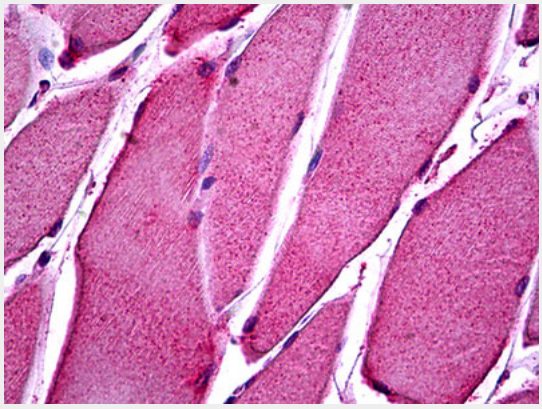


Immunofluorescence of ATP11B in K562 cells with ATP11B antibody at 20 ug/ml.

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Western blot analysis of ATP11B in K562 cell tissue lysate with ATP11B antibody at 1 ug/ml in...



Anti-ATP11B antibody IHC of human skeletal muscle.

## ATP11B Antibody (N-Terminus) - Background

Catalytic component of a P4-ATPase flippase complex which catalyzes the hydrolysis of ATP coupled to the transport of aminophospholipids from the outer to the inner leaflet of various membranes and ensures the maintenance of asymmetric distribution of phospholipids. Phospholipid translocation seems also to be implicated in vesicle formation and in uptake of lipid signaling molecules (Probable). Involved in regulation of sensitivity to cisplatin; may contribute to secretory vesicle transport of cisplatin from Golgi to plasma membrane.

## ATP11B Antibody (N-Terminus) - References

Halleck M.S.,et al.Physiol. Genomics 1:139-150(1999).
Muzny D.M.,et al.Nature 440:1194-1198(2006).
Halleck M.S.,et al.J. Biol. Chem. 277:9736-9740(2002).
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Bechtel S.,et al.BMC Genomics 8:399-399(2007).