

ATG2B Antibody (N-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS15651**Specification****ATG2B Antibody (N-Terminus) - Product Information**

Application	WB, IHC-P, IF
Primary Accession	Q96BY7
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	233kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A IF~~1:50~200

ATG2B Antibody (N-Terminus) - Additional Information**Gene ID** 55102**Other Names**

Autophagy-related protein 2 homolog B, ATG2B, C14orf103

Target/Specificity

Human ATG2B. ATG2B antibody is predicted to not cross-react with other ATG2A.

Reconstitution & Storage

Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

ATG2B Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

ATG2B Antibody (N-Terminus) - Protein Information**Name** ATG2B {ECO:0000303|PubMed:22219374, ECO:0000312|HGNC:HGNC:20187}**Function**

Lipid transfer protein required for both autophagosome formation and regulation of lipid droplet morphology and dispersion (PubMed:22219374, PubMed:31721365). Tethers the edge of the isolation membrane (IM) to the endoplasmic reticulum (ER) and mediates direct lipid transfer from ER to IM for IM expansion (PubMed:22219374, PubMed:31721365). Binds to the ER exit site (ERES), which is the membrane source for autophagosome formation, and extracts phospholipids from the membrane source and transfers them to ATG9 (ATG9A or ATG9B) to the IM for membrane expansion (By similarity). Lipid transfer activity is enhanced by

WDR45/WIP14, which promotes ATG2B-association with phosphatidylinositol 3-monophosphate (PI3P)-containing membranes (PubMed:31721365).

Cellular Location

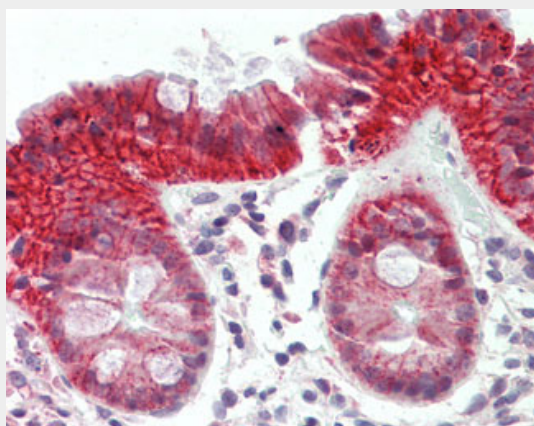
Preautophagosomal structure membrane; Peripheral membrane protein. Lipid droplet. Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:P53855}; Peripheral membrane protein {ECO:0000250|UniProtKB:P53855}

ATG2B Antibody (N-Terminus) - Protocols

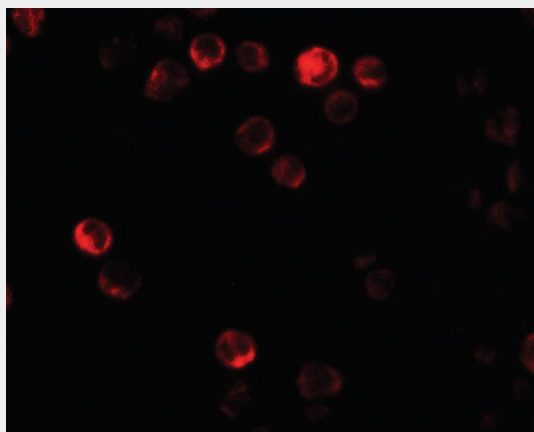
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ATG2B Antibody (N-Terminus) - Images



Anti-ATG2B antibody IHC staining of human colon.



Immunofluorescence of ATG2B in K562 cells with ATG2B antibody at 20 ug/ml.

ATG2B Antibody (N-Terminus) - Background

Required for both autophagosome formation and regulation of lipid droplet morphology and dispersion.

ATG2B Antibody (N-Terminus) - References

Heilig R.,et al.Nature 421:601-607(2003).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Dephoure N.,et al.Proc. Natl. Acad. Sci. U.S.A. 105:10762-10767(2008).
Velikkakath A.K.,et al.Mol. Biol. Cell 23:896-909(2012).