

KIAA0652 / ATG13 Antibody (C-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS13944**Specification**

KIAA0652 / ATG13 Antibody (C-Terminus) - Product Information

Application	IF, WB, IHC
Primary Accession	O75143
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	57kDa KDa

KIAA0652 / ATG13 Antibody (C-Terminus) - Additional Information**Gene ID** 9776**Other Names**

Autophagy-related protein 13, ATG13, KIAA0652

Target/Specificity

Human ATG13

Reconstitution & Storage

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

Precautions

KIAA0652 / ATG13 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

KIAA0652 / ATG13 Antibody (C-Terminus) - Protein Information**Name** ATG13**Synonyms** KIAA0652**Function**

Autophagy factor required for autophagosome formation and mitophagy. Target of the TOR kinase signaling pathway that regulates autophagy through the control of the phosphorylation status of ATG13 and ULK1, and the regulation of the ATG13-ULK1-RB1CC1 complex. Through its regulation of ULK1 activity, plays a role in the regulation of the kinase activity of mTORC1 and cell proliferation.

Cellular Location

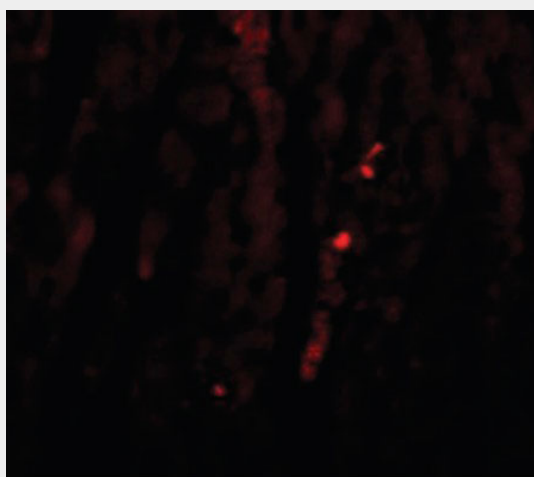
Cytoplasm, cytosol. Preautophagosomal structure. Note=Under starvation conditions, is localized to punctate structures primarily representing the isolation membrane; the isolation membrane sequesters a portion of the cytoplasm resulting in autophagosome formation

KIAA0652 / ATG13 Antibody (C-Terminus) - Protocols

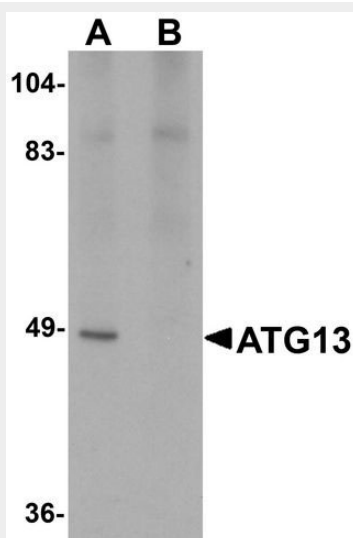
Provided below are standard protocols that you may find useful for product applications.

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

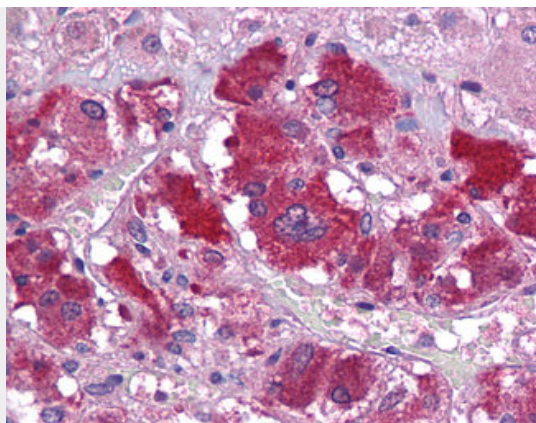
KIAA0652 / ATG13 Antibody (C-Terminus) - Images



Immunofluorescence of ATG13 in Mouse Heart cells with ATG13 antibody at 20 ug/ml.



Western blot analysis of ATG13 in rat heart tissue lysate with ATG13 antibody at 1 ug/ml in (A)...



Anti-ATG13 antibody IHC of human adrenal.

KIAA0652 / ATG13 Antibody (C-Terminus) - Background

Autophagy factor required for autophagosome formation and mitophagy. Target of the TOR kinase signaling pathway that regulates autophagy through the control of the phosphorylation status of ATG13 and ULK1, and the regulation of the ATG13-ULK1- RB1CC1 complex. Through its regulation of ULK1 activity, plays a role in the regulation of the kinase activity of mTORC1 and cell proliferation.

KIAA0652 / ATG13 Antibody (C-Terminus) - References

- Ishikawa K.,et al.DNA Res. 5:169-176(1998).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Totoki Y.,et al.Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.
Taylor T.D.,et al.Nature 440:497-500(2006).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.