

KIAA0652 / ATG13 Antibody (C-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS16244**Specification**

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

Application	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

Recognizes human Autophagy-related protein 13 (ATG13), a 517 amino acid protein belonging to the ATG13 metazoan family.

Reconstitution & Storage

Short term +4°C; Long term -20°C

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

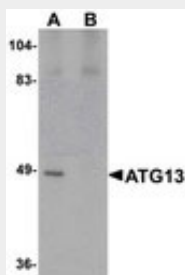
Volume
50 µl

KIAA0652 / ATG13 Antibody (C-Terminus) - Protocols

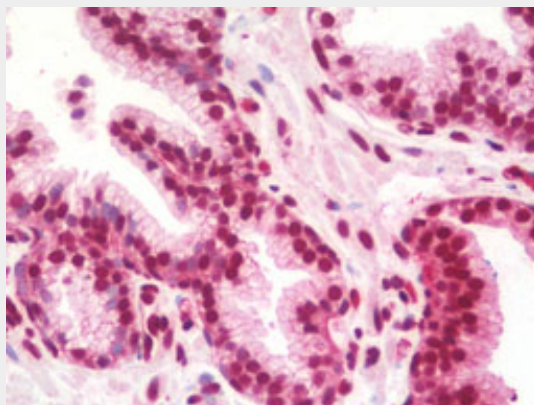
Provided below are standard protocols that you may find useful for product applications.

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

KIAA0652 / ATG13 Antibody (C-Terminus) - Images



Western blot of rat heart tissue lysate probed with Rabbit anti-Mouse ATG13 at 1uM in the...



Anti-KIAA0652 / ATG13 antibody IHC staining of human prostate.

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

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Ota T.,et al.Nat. Genet. 36:40-45(2004).

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Taylor T.D.,et al.Nature 440:497-500(2006).

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