

#### **ATG13 Antibody**

Purified Mouse Monoclonal Antibody Catalog # AO2184a

### **Specification**

## **ATG13 Antibody - Product Information**

Application WB, IHC, E
Primary Accession O75143
Reactivity Human
Host Mouse
Clonality Monoclonal
Isotype IgG1

Calculated MW 56.6kDa KDa

**Description** 

ATG13 (Autophagy Related 13) is a Protein Coding gene. Among its related pathways are Senescence and Autophagy and mTOR signaling pathway. GO annotations related to this gene include protein kinase binding.

#### **Immunogen**

Purified recombinant fragment of human ATG13 (AA: 339-550) expressed in E. Coli.

#### **Formulation**

Purified antibody in PBS with 0.05% sodium azide

# **ATG13 Antibody - Additional Information**

**Gene ID** 9776

#### **Other Names**

Autophagy-related protein 13, ATG13, KIAA0652

#### **Dilution**

WB~~1/500 - 1/2000 IHC~~1/200 - 1/1000 E~~1/10000

### **Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### **Precautions**

ATG13 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## **ATG13 Antibody - 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 puncate structures primarily representing the isolation membrane; the isolation membrane sequesters a portion of the cytoplasm resulting in autophagosome formation

### **ATG13 Antibody - 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