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

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