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ATG13 Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO2184a

Product Information

Application	WB, IHC, E
Primary Accession	O75143
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	6B2E12
Isotype	IgG1
Calculated MW	56572
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

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.

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

References

1.Mol Biol Cell. 2009 Apr;20(7):1992-2003. 2.Mol Cell Biol. 2009 Jan;29(1):157-71.

Images

