

Rabbit ATG13 Polyclonal Antibody | anti-ATG13 antibody

ATG13 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA301261	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

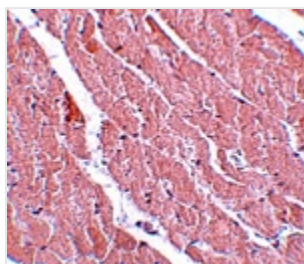
PRODUCT SYNONYMS

ATG13; Polyclonal Antibody; ATG13 Antibody; Autophagy-related protein 13; anti-ATG13 antibody

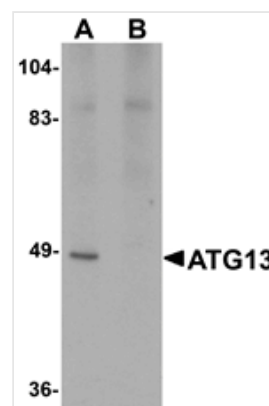
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	517
Applicable Applications for anti-ATG13 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a 15 amino acid peptide near the carboxy terminus of human ATG13.
Target Name	ATG13
Preparation and Storage	Can be stored at -20 degree C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES


IHC (Immunohistochemistry)

Immunohistochemistry of ATG13 in mouse heart with ATG13 antibody at 5 ug/mL.


WB (Western Blot)

Western blot analysis of ATG13 in rat heart tissue lysate with ATG13 antibody at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-ATG13 antibody	Autophagy, the process of bulk degradation of cellular proteins through an autophagosomic-lysosomal pathway is important for normal growth control and may be defective in tumor cells. It is involved in the preservation of cellular nutrients under starvation conditions as well as the normal turnover of cytosolic components. This process is negatively regulated by TOR (Target of rapamycin) through phosphorylation of autophagy protein ATG1. ATG13 forms a complex with ULK1 and ULK2, the mammalian homologs of ATG1, and with FIP200. This complex is a target of TOR phosphorylation under normal conditions; inhibition of TOR by rapamycin or leucine deprivation leads to dephosphorylation of ATG13, ULK1 and ULK2, which then leads to autophagy. Knockdown of ATG13 inhibits autophagosome formation.
Product Categories/Family for anti-ATG13 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	218082953
NCBI GeneID	9776
NCBI Accession #	NP_001136145
NCBI GenBank Nucleotide #	NM_001142673.2
Molecular Weight	60,155 Da
NCBI Official Full Name	autophagy-related protein 13 isoform 1
NCBI Official Synonym Full Names	autophagy related 13
NCBI Official Symbol	ATG13
NCBI Official Synonym Symbols	KIAA0652; PARATARG8
NCBI Protein Information	autophagy-related protein 13
UniProt Protein Name	Autophagy-related protein 13
UniProt Gene Name	ATG13
UniProt Synonym Gene Names	KIAA0652
UniProt Entry Name	ATG13_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/atg13-antibody-immunohistochemistry-western-blot-elisa/301261>