

Rabbit Atg13 Polyclonal Antibody | anti-Atg13 antibody

Atg13

CATALOG # AAA47781	HOST Rabbit	APPLICATIONS Immunofluorescence, Immunoblot, Western Blot
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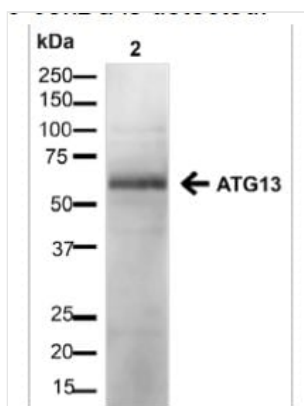
PRODUCT SYNONYMS

Atg13; Polyclonal Antibody; anti-Atg13 antibody

PRODUCT SPECIFICATIONS

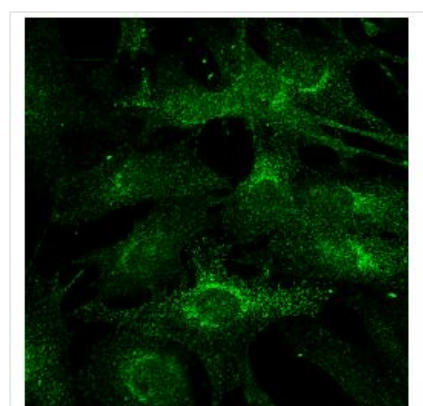
Host	Rabbit
Clonality	Polyclonal
Specificity	This antibody recognizes human Atg13.
Purity/Purification	Affinity Purified
Form/Format	Clear Liquid; Peptide affinity-purified antibody in PBS, pH 7.4, 50% glycerol, 0.09% sodium azide.
Concentration	1mg/ml (varies by lot)
Sequence Length	517
Applicable Applications for anti-Atg13 antibody	IF (Immunofluorescence), IB (Immunoblot)
Antigen	Synthetic peptide corresponding to mid-protein amino acids of human Atg13.
Preservative	0.50% glycerol, 0.09% NaN ₃
Preparation and Storage	This antibody is stable for at least one (1) year at -20 degree C. Store product in appropriate aliquots to avoid multiple freeze-thaw cycles.

IMAGES



Application Data

Detection of Atg13 in HEK 293 cell lysate.



IF (Immunofluorescence)

Detection of Atg13 in formaldehyde-fixed C2C12 cells

ADDITIONAL INFORMATION

Related Product Information for anti-Atg13 antibody	Background: Autophagy is a catabolic process that results in the degradation of bulk cytoplasmic contents within autophagosomes and lysosomes. Atg13 is a 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. Under starvation conditions, Atg13 is localized to punctate structures primarily representing the isolation membrane; the isolation membrane sequesters a portion of the cytoplasm resulting in autophagosome formation. Phosphorylation of Atg13 depends on nutrient conditions; it is dephosphorylated during starvation or following treatment with rapamycin. Three isoforms of the human protein are produced by alternative splicing.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	218082953
NCBI GeneID	9776
NCBI Accession #	NP_001136145.1
NCBI GenBank Nucleotide #	NM_001142673.2
UniProt Accession #	O75143; Q53EN6; Q9BRL3; Q9H8B0; B4DFI4; D3DQQ1; D3DQQ2; E9PQZ8
Molecular Weight	60,155 Da
NCBI Official Full Name	autophagy-related protein 13 isoform c
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

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-immunofluorescence-immunoblot-elisa/47781>