Rabbit Atg5 Polyclonal Antibody | anti-Atg5 antibody

Atg5

CATALOG #	HOST	APPLICATIONS
AAA47780	**Rabbit**	**Immunoblot, Western Blot**

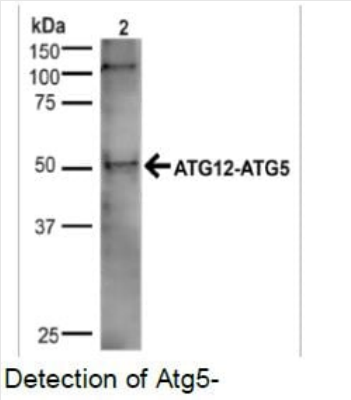
PRODUCT SYNONYMS

Atg5; Polyclonal Antibody; anti-Atg5 antibody

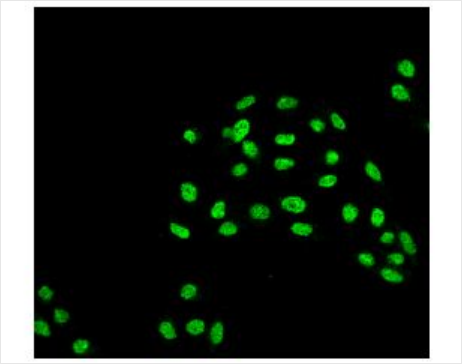
PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Specificity	This antibody recognizes human Atg5.
Form/Format	Peptide affinity-purified antibody in PBS, pH 7.4, 50% glycerol, 0.09% sodium azide.
Concentration	1mg/ml (varies by lot)
Sequence Length	275
Applicable Applications for anti-Atg5 antibody	IB (Immunoblot)
Antigen	Synthetic peptide corresponding to amino acids at the N-terminus of human Atg5.
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



IF (Immunofluorescence)

ADDITIONAL INFORMATION

Related Product Information for anti-Atg5 antibody	Autophagy is a catabolic process that results in the degradation of bulk cytoplasmic contents within autophagosomes and lysosomes. Atg12 is an ubiquitin-like protein involved in autophagy vesicle formation. Conjugation with Atg5 through a ubiquitin-like conjugating system involving also Atg7 as an E1-like activating enzyme and Atg10 as an E2-like conjugating enzyme, is essential for its function. The Atg12-Atg5 conjugate acts as an E3-like enzyme which is required for lipidation of Atg8 family proteins and their association to vesicle membranes. The Atg12-Atg5 conjugate also negatively regulates the innate antiviral immune response by blocking the type I IFN production pathway through direct association with RARRES3 and MAVS.

NCBI AND UNIPROT INFORMATION

NCBI GI #	554790362
NCBI GeneID	9474
NCBI Accession #	NP_001273035.1
NCBI GenBank Nucleotide #	NM_001286106.1
UniProt Accession #	Q9H1Y0; O60875; Q5JVR2; Q68DI4; Q9H2B8; Q9HCZ7
Molecular Weight	22,931 Da
NCBI Official Full Name	autophagy protein 5 isoform a
NCBI Official Synonym Full Names	autophagy related 5
NCBI Official Symbol	ATG5
NCBI Official Synonym Symbols	ASP; APG5; APG5L; hAPG5; APG5-LIKE
NCBI Protein Information	autophagy protein 5
UniProt Protein Name	Autophagy protein 5
UniProt Gene Name	**ATG5**
UniProt Synonym Gene Names	APG5L; ASP

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/atg5-antibody-immunoblot-elisa/47780