

Rabbit ATG5 Polyclonal Antibody | anti-ATG5 antibody

ATG5 Antibody

CATALOG # AAA166538	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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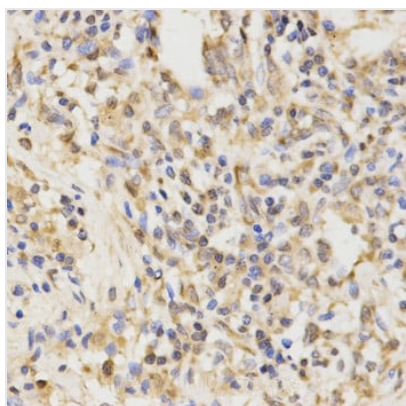
PRODUCT SYNONYMS

ATG5; Polyclonal Antibody; ATG5 Antibody; APG5; APG5-LIKE; APG5L; ASP; hAPG5; anti-ATG5 antibody

PRODUCT SPECIFICATIONS

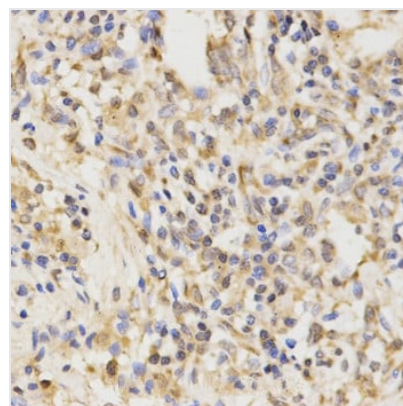
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	1mg/mL (varies by lot)
Sequence Length	275
Applicable Applications for anti-ATG5 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human ATG5
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-8666 / sc-8667 / sc-33210
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

IMAGES



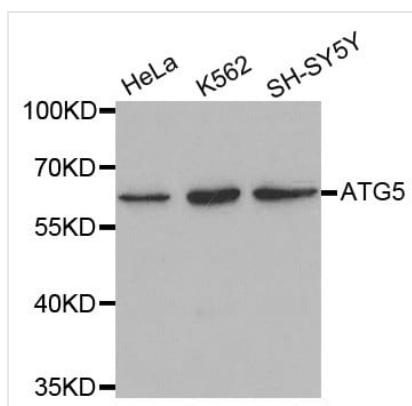
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human lung cancer using ATG5 antibody at dilution of 1:200 (x400 lens)



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat kidney using ATG5 antibody at dilution of 1:200 (x400 lens)



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using ATG5 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-ATG5 antibody

Autophagy is a catabolic process for the autophagosomic-lysosomal degradation of bulk cytoplasmic contents (1, 2). Autophagy is generally activated by conditions of nutrient deprivation but has also been associated with a number of physiological processes including development, differentiation, neurodegeneration, infection, and cancer (3). The molecular machinery of autophagy was largely discovered in yeast and referred to as autophagy-related (Atg) genes. Formation of the autophagosome involves a ubiquitin-like conjugation system in which Atg12 is covalently bound to Atg5 and targeted to autophagosome vesicles (4-6). This conjugation reaction is mediated by the ubiquitin E1-like enzyme Atg7 and the E2-like enzyme Atg10 (7, 8).

NCBI AND UNIPROT INFORMATION

NCBI GI #	442092992
NCBI GeneID	9474
Molecular Weight	22,931 Da
NCBI Official Full Name	ATG5
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; ATG5 autophagy related 5 homolog; apoptosis-specific protein
UniProt Protein Name	Autophagy protein 5
UniProt Gene Name	ATG5
UniProt Synonym Gene Names	APG5L; ASP
UniProt Entry Name	ATG5_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://www.aaabiotech.com/polyclonal/atg5-antibody-immunohistochemistry-western-blot-elisa/166538>