

Rabbit ATG12 Polyclonal Antibody | anti-ATG12 antibody

ATG12 Antibody

CATALOG # AAA40019	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot, ELISA
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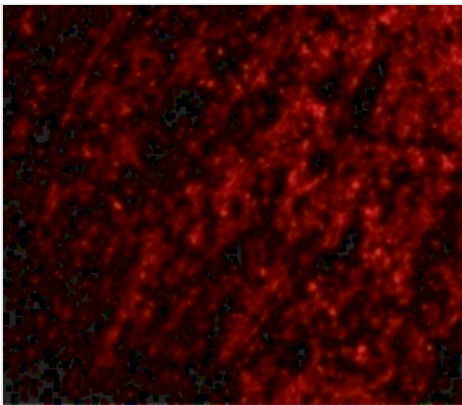
PRODUCT SYNONYMS

ATG12; Polyclonal Antibody; ATG12 Antibody; APG12; FBR93; APG12L; HAPG12; Ubiquitin-like protein ATG12; Autophagy-related protein 12; APG12-like; ATG12 autophagy related 12 homolog (S. cerevisiae); anti-ATG12 antibody

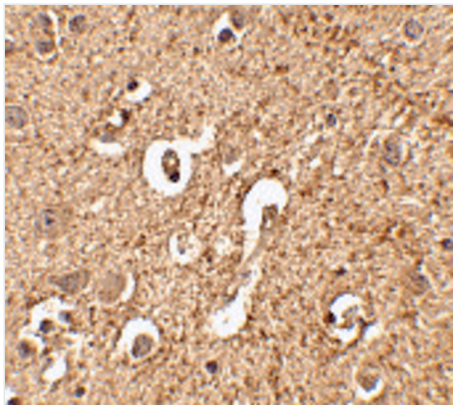
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	ATG12 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	187
Applicable Applications for anti-ATG12 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	ATG12 antibody was raised against a 15 amino acid synthetic peptide from near the center of human ATG12.
Buffer	ATG12 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	ATG12 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to 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.

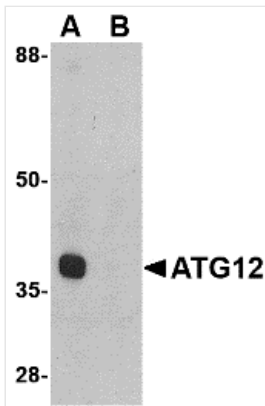
IMAGES



IF (Immunofluorescence)
Immunofluorescence of ATG12 in Human Brain cells with ATG12 antibody at 20 µg/mL.



IHC (Immunohistochemistry)
Immunohistochemistry of ATG12 in human brain tissue with ATG12 antibody at 2.5 µg/mL.



WB (Western Blot)
Western blot analysis of ATG12 in mouse heart tissue lysate with ATG12 antibody at 1 µg/mL in (A) the absence and (B) the presence of blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-ATG12 antibody

ATG12 Antibody: Autophagy, the process of bulk degradation of cellular proteins through an autophagosomal-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 APG1. ATG12, another member of the autophagy protein family, forms a conjugate with ATG5; this conjugate has a ubiquitin-protein ligase (E3)-like activity for protein lipidation in autophagy. This conjugate also associates with innate immune response proteins such as RIG-I and VISA (also known as IPS-1), inhibiting type I interferon production and permitting viral replication in host cells. ATG12 has also been shown to interact with ATG10 in human embryonic kidney cells in the presence of ATG7. At least two isoforms of ATG12 are known to exist.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119569340
NCBI GeneID	9140
UniProt Accession #	O94817; Q6PJV2
Molecular Weight	7,746 Da
NCBI Official Full Name	ATG12 autophagy related 12 homolog (S. cerevisiae), isoform CRA_b
NCBI Official Synonym Full Names	autophagy related 12

NCBI Official Symbol	ATG12
NCBI Official Synonym Symbols	APG12; FBR93; APG12L; HAPG12
NCBI Protein Information	ubiquitin-like protein ATG12; Apg12 (autophagy, yeast) homolog; ATG12 autophagy related 12 homolog
UniProt Protein Name	Ubiquitin-like protein ATG12
UniProt Gene Name	ATG12
UniProt Synonym Gene Names	APG12; APG12L; APG12-like
UniProt Entry Name	ATG12_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/atg12-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/40019>