

Rabbit ATG12 Polyclonal Antibody | anti-ATG12 antibody

ATG12 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA306258	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

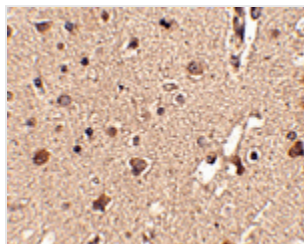
PRODUCT SYNONYMS

ATG12; Polyclonal Antibody; ATG12 Antibody; Autophagy protein 12; Autophagy related protein 12; APG12; APG12L; HAPG12; anti-ATG12 antibody

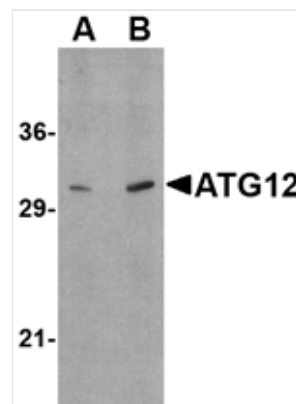
PRODUCT SPECIFICATIONS

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	187
Applicable Applications for anti-ATG12 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a 16 amino acid peptide from near the amino terminus of human ATG12.
Target Name	ATG12
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 ATG12 in human brain tissue with ATG12 antibody at 2.5 ug/mL.



WB (Western Blot)
Western blot analysis of ATG12 in human brain tissue lysate with ATG12 antibody at (A) 0.5, and (B) 1 ug/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-ATG12 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 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.
Product Categories/Family for anti-ATG12 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	119569340
NCBI GeneID	9140
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
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.