

Rabbit ATG12 Polyclonal Antibody | anti-ATG12 antibody

ATG12 antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA200339	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rat, Zebrafish	Immunohistochemistry, Western Blot

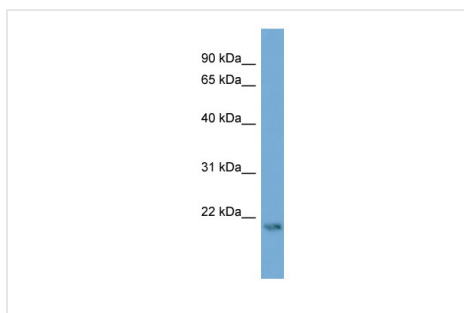
PRODUCT SYNONYMS

ATG12; Polyclonal Antibody; ATG12 antibody - middle region; anti-ATG12 antibody

PRODUCT SPECIFICATIONS

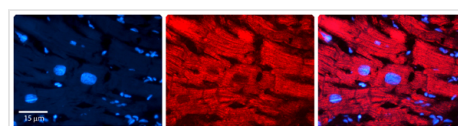
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: KFLVASEQLF IYVNSFAPS PDQEVGTLYE CFGSDGKLVL HYCKSQAW
Sequence Length	187
Applicable Applications for anti-ATG12 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rat: 100%; Zebrafish: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human ATG12
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-ATG12 Antibody Titration: 0.2-1 ug/ml
 ELISA Titer: 1:1562500
 Positive Control: 721_B cell lysate
 ATG12 is strongly supported by BioGPS gene expression data to be expressed in Human 721_B cells



IHC (Immunohistochemistry)

Rabbit Anti-ATG12 Antibody
 Formalin Fixed Paraffin Embedded Tissue: Human heart
 Tissue Observed Staining: Cytoplasmic
 Primary Antibody Concentration: 1:100
 Other Working Concentrations: 1:600
 Secondary Antibody: Donkey anti-Rabbit-Cy3
 Secondary Antibody Concentration: 1:200
 Magnification: 20X
 Exposure Time: 0.5 - 2.0 sec

ADDITIONAL INFORMATION

Related Product Information for anti-ATG12 antibody	This is a rabbit polyclonal antibody against ATG12. It was validated on Western Blot Target Description: Autophagy is a process of bulk protein degradation in which cytoplasmic components, including organelles, are enclosed in double-membrane structures called autophagosomes and delivered to lysosomes or vacuoles for degradation. ATG12 is the human homolog of a yeast protein involved in autophagy (Mizushima et al., 1998 [PubMed 9852036]).
Product Categories/Family for anti-ATG12 antibody	Polyclonal; Cell Biology; Autophagy

NCBI AND UNIPROT INFORMATION

NCBI GI #	290560746
NCBI GeneID	9140
NCBI Accession #	NP_004698
NCBI GenBank Nucleotide #	NM_004707
UniProt Accession #	O94817
Molecular Weight	21kDa
NCBI Official Full Name	ubiquitin-like protein ATG12 isoform 1
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/atg12-antibody-immunohistochemistry-western-blot-elisa/200339>