

Rabbit ATG12 Polyclonal Antibody | anti-ATG12 antibody

ATG12 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA311948	Rabbit	Human, Mouse, Rat	Flow Cytometry, Functional Assay, Immunohistochemistry, Immunocytochemistry, Western Blot

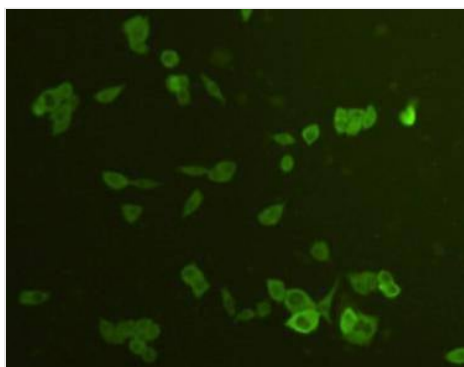
PRODUCT SYNONYMS

ATG12; Polyclonal Antibody; ATG12 Antibody; APG12-like antibody; APG12L antibody; ATG12 antibody; ATG12 autophagy related 12 homolog (S. cerevisiae) antibody; ATG12 autophagy related 12 homolog antibody; ATG12_HUMAN antibody; Autophagy 12 antibody; Autophagy-related protein 12 antibody; FBR93 antibody; HAPG12 antibody; Ubiquitin-like protein ATG12 antibody; anti-ATG12 antibody

PRODUCT SPECIFICATIONS

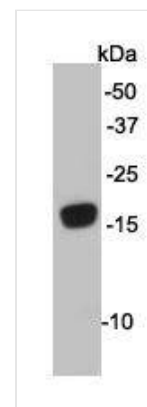
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Peptide affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-ATG12 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	Peptide
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



ICC (Immunocytochemistry)

ICC staining ATG12 in HCT116 cells (green). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



WB (Western Blot)

Western blot analysis on rat kidney lysates using anti-ATG12 rabbit polyclonal antibodies.

ADDITIONAL INFORMATION

Related Product Information for anti-ATG12 antibody	Autophagy-related protein 12 is a protein that in humans is encoded by the ATG12 gene. 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. Autophagy requires the covalent attachment of the protein Atg12 to ATG5 through a ubiquitin-like conjugation system. The Atg12-Atg5 conjugate then promotes the conjugation of ATG8 to the lipid phosphatidylethanolamine. Atg12 was found to be involved in apoptosis. This protein promotes apoptosis through an interaction with anti-apoptotic members of the Bcl-2 family.
Product Categories/Family for anti-ATG12 antibody	Total protein Ab

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.