

RecomAb™

ATG12 recombinant monoclonal antibody, clone R01-1K6

Catalog # RAB06446 Size 100 uL

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human ATG12.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against protein corresponding to full length human ATG12.
Theoretical MW (kDa)	Calculated MW: 15 kD
Reactivity	Human
Form	Liquid
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	Flow Cytometry (1:50-1:100) Immunohistochemistry (1:50-1:100) Immunofluorescence(1:50-1:200) Immunoprecipitation(1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end use.
Storage Buffer	In PBS, 150mM NaCl, pH 7.4 (50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytometry

Gene Info — ATG12

Entrez GeneID [9140](#)

Protein Accession# [O94817](#)

Gene Name ATG12

Gene Alias APG12, APG12L, FBR93, HAPG12

Gene Description ATG12 autophagy related 12 homolog (S. cerevisiae)

Omim ID [609608](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]).[supplied by OMIM]

Other Designations APG12 autophagy 12-like|Apg12 (autophagy, yeast) homolog

Pathway

- [Regulation of autophagy](#)

Disease

- [Adenocarcinoma](#)
- [Colorectal Neoplasms](#)
- [Disease Progression](#)

- [Disease Susceptibility](#)
- [HIV Infections](#)
- [Microsatellite Instability](#)
- [Stomach Neoplasms](#)