

RecomAb™

ATG4B recombinant monoclonal antibody, clone R07-8A3

Catalog # RAB06447 Size 100 uL

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human, mouse and rat ATG4B.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against protein corresponding to full length human ATG4B.
Theoretical MW (kDa)	Calculated MW: 44 kD
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	Flow Cytometry (1:50-1:100) 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
- Flow Cytometry

Gene Info — ATG4B

Entrez GeneID [23192](#)**Protein Accession#** [Q9Y4P1](#)**Gene Name** ATG4B**Gene Alias** APG4B, AUTL1, MGC1353**Gene Description** ATG4 autophagy related 4 homolog B (S. cerevisiae)**Omim ID** [611338](#)**Gene Ontology** [Hyperlink](#)

Gene Summary

Autophagy is the process by which endogenous proteins and damaged organelles are destroyed intracellularly. Autophagy is postulated to be essential for cell homeostasis and cell remodeling during differentiation, metamorphosis, non-apoptotic cell death, and aging. Reduced levels of autophagy have been described in some malignant tumors, and a role for autophagy in controlling the unregulated cell growth linked to cancer has been proposed. This gene encodes a member of the autophagin protein family. The encoded protein is also designated as a member of the C-54 family of cysteine proteases. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq]

Other Designations APG4 autophagy 4 homolog B|autophagin-1

Pathway

- [Regulation of autophagy](#)