

RecomAb™

ATG4A recombinant monoclonal antibody, clone R05-3H3

Catalog # RAB06030 Size 100 uL

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human ATG4A.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human ATG4A.
Theoretical MW (kDa)	Calculated MW: 45 kD
Reactivity	Human
Form	Liquid
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	Immunohistochemistry (1/50-1/100) Immunoprecipitation (1/20) Western Blot (1/500-1/1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50mM Tris-Glycine, 150mM NaCl, pH 7.4 (40% glycerol, 0.05% BSA and 0.01% 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 (Formalin/PFA-fixed paraffin-embedded sections)

- Immunoprecipitation

Gene Info — ATG4A

Entrez GeneID	115201
Protein Accession#	Q8WYN0
Gene Name	ATG4A
Gene Alias	APG4A, AUTL2
Gene Description	ATG4 autophagy related 4 homolog A (S. cerevisiae)
Omim ID	300663
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. Transcript variants that encode distinct isoforms have been identified. [provided by RefSeq]
Other Designations	APG4 autophagy 4 homolog A AUT-like 2, cysteine endopeptidase OTTHUMP00000023822 OTTHUMP000000062893 autophagin 2 autophagy-related cysteine endopeptidase 2

Pathway

- [Regulation of autophagy](#)

Disease

- [Head and Neck Neoplasms](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)