

ATG4B mouse monoclonal antibody (hybridoma)

Catalog # H00023192-M

Size Up to 5 Clones

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant ATG4B.
Immunogen	ATG4B (AAH00719.1, 1 a.a. ~ 393 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MDAATLTYDTLRFAEFEDFPETSEPVWILGRKYSIFTEKDEILSDVASRLWFTYRKNFPAIGGTGPTSDTGWGCMRLRCGQMIFAQALVCRHLGRDWRWTQRKRQPD SYFVLNAFIDRKDSYYSIHQIAQMGVGEKGKSIQWYGPNTVAQVLKKLAVFDTWSSLA VHIAMDNTVVMEEIRRLCRTSVPCAGATAFPADSDRHCNGFPAGAEVTNRPSWRPLVLLIPLRLGLTDINEAYVETLKHCFMMPQSLGVIGGKPNSAHYFIGYVGEELMLDPHTTQPAVEPTDGC FIPDES FHCQHPPCRMSIAELDPSI AVGFFCKTEDDFNDWCQQVKKLSLLGGALPMFELVEQQPSHLACPDVLNLSLDSSDVERLERFFDSEDEDFEILSL
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (94); Rat (91)
Quality Control Testing	Antibody reactivity and specificity confirmed by ELISA and Western Blot.
Deliverables	Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.
Note	Customer should check the viability of the hybridomas within one month from the date of receipt. Fee -for-service of long term hybridoma storage can be performed upon customer's request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — ATG4B

Entrez GeneID [23192](#)

GeneBank Accession# [BC000719.2](#)

Protein Accession# [AAH00719.1](#)

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](#)