

ATG7 mouse monoclonal antibody (hybridoma)

Catalog # H00010533-M

Size Up to 5 Clones

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant ATG7.
Immunogen	ATG7 (NP_006386.1, 1 a.a. ~ 703 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MAAATGDPGLSKLQFAPFSSALDVGFWHELTQKKLNEYRLDEAPKDIKGYYYNGDSAGLPARLTL EFSAFDMSAPTPARCCPAIGTLYNTNTLESFKTADKLLLEQAANEWESIKSGTALENPVLLNKFL LLTFADLKKYHFYYWFCYPALCLPESLPLIQGPVGLDQRFSLKQIEALECAYDNLCQTEGVTALPYF LIKYDENMVLVSLLKHYSDFQGGQRTKITIGVYDPCNLAQYPGWPLRNFLVLAHRWSSSFQSVEV VCFRDRTMQGARDVAHSIIFEVKLPEMAFSPDCPKAVGWEKNQKGGMGPRMVNLSECMDPKR LAESSVDLNLKLMCWRLVPTLDLKDVKVSVKCLLLGAGTLGCNVARTLMGWGVRHITFVDNAKISY SNPVRQPLYEFEDCLGGGKPKALAAADRLQKIFPGVNARGFNMSIPMPGHPVNFSSVTLEQARR DVEQLEQLIESHDVVFLMDTRESRWLPVAVIAASKRKLVINAAALGFDTFVVMRHGLKKPKQQGAG DLCPNHPVASADLLGSSLFANIPGYKLCYFCNDVVAPGDSTRDRTLDDQQCTVSRPGLAVIAGAL AVELMVSVLQHPEGGYAIASSSDDRMNEPPTSLGLVPHQIRGFLSRFDNVLPVSLAFDKCTACSS KVLDQYEREGFNFLAKVFNSSHSLFLEDLTGLTLLHQETQAAEIWDMSSDETI
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (93); Rat (93)
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 — ATG7

Entrez GeneID [10533](#)

GeneBank Accession# [NM_006395.1](#)

Protein Accession# [NP_006386.1](#)

Gene Name ATG7

Gene Alias APG7-LIKE, APG7L, DKFZp434N0735, GSA7

Gene Description ATG7 autophagy related 7 homolog (S. cerevisiae)

Omim ID [608760](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene was identified based on homology to Pichia pastoris GSA7 and Saccharomyces cerevisiae APG7. In the yeast, the protein appears to be required for fusion of peroxisomal and vacuolar membranes. The protein shows homology to the ATP-binding and catalytic sites of the E1 ubiquitin activating enzymes. [provided by RefSeq]

Other Designations APG7 autophagy 7-like|ubiquitin activating enzyme E1-like protein

Pathway

- [Regulation of autophagy](#)

Disease

- [Disease Progression](#)
- [Disease Susceptibility](#)
- [HIV Infections](#)

- [Huntington Disease](#)
- [Tobacco Use Disorder](#)