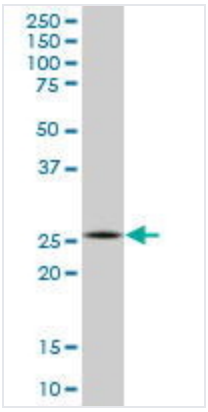
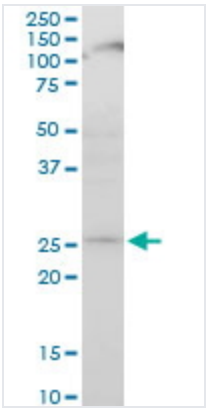
ATG5 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

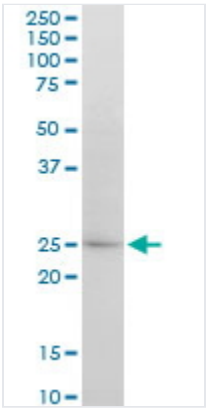
Product Name	ATG5, Monoclonal Antibody
Full Product Name	ATG5 (ATG5 autophagy Related 5 Homolog (S. cerevisiae), APG5, APG5-LIKE, APG5L, ASP, hAPG5) (HRP)
Product Gene Name	anti-ATG5 antibody
Product Synonym Names	ATG5 autophagy Related 5 Homolog (S. cerevisiae); APG5; APG5-LIKE; APG5L; ASP; hAPG5
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	1G11
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with horseradish peroxidase (HRP).
Purity/Purification	Purified
Specificity	Recognizes ATG5.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Immunogen	ATG5 (AAH02699, 176aa-275aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	PAEENGFRYIPFRIYQTTTERPFIQKLFRPVAADGQLHTLGDLLKEVCPSAIDPEDGEKKNQVMIHGIEPMLETPLQWLSEHLSYPDNFLHISIIPQPTD
Conjugate	HRP
Product Categories/Family for anti-ATG5 antibody	Antibodies; Autophagy
Applications Tested/Suitable for anti-ATG5 antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-ATG5 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-ATG5 antibody	MBS6181697 is an antibody targeting ATG5. Also known as ATG5 (ATG5 autophagy Related 5 Homolog (S. cerevisiae), APG5, APG5-LIKE, APG5L, ASP, hAPG5) (HRP). Host: Mouse.
Other Notes	Small volumes of anti-ATG5 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-ATG5 antibody
ATG5 monoclonal antibody (M04), clone 1G11. Western Blot analysis of ATG5 expression in Jurkat (Cat # L017V1).



Western Blot (WB) of anti-ATG5 antibody
ATG5 monoclonal antibody (M04), clone 1G11. Western Blot analysis of ATG5 expression in NIH/3T3.



Western Blot (WB) of anti-ATG5 antibody
ATG5 monoclonal antibody (M04), clone 1G11. Western Blot analysis of ATG5 expression in Raw 264.7.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ATG5. It may not necessarily be applicable to this product.

NCBI GI #	12803725
NCBI GeneID	9474
NCBI Accession #	AAH02699
UniProt Related Accession #	Q9H1Y0
NCBI Official Full Name	ATG5 protein
NCBI Official Synonym Full Names	autophagy related 5
NCBI Official Symbol	ATG5
NCBI Official Synonym Symbols	ASP; APG5; APG5L; hAPG5; SCAR25; APG5-LIKE
Protein Family	Autophagy protein
NCBI Protein Information	autophagy protein 5
NCBI Summary for ATG5	The protein encoded by this gene, in combination with autophagy protein 12, functions as an E1-like activating enzyme in a ubiquitin-like conjugating system. The encoded protein is involved in several cellular processes, including autophagic vesicle formation, mitochondrial quality control after oxidative damage, negative regulation of the innate antiviral immune response, lymphocyte development and proliferation, MHC II antigen presentation, adipocyte differentiation, and apoptosis. Several transcript variants encoding different protein isoforms have been found for this gene. [provided by RefSeq, Sep 2015]

Research Articles on ATG5	**1.** ATG5 is required for centrosome polarization and actin nucleation in the immune synapse area.
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