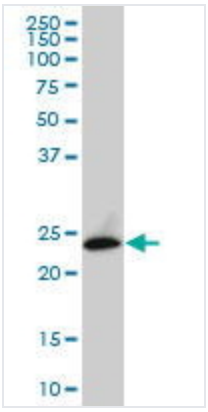
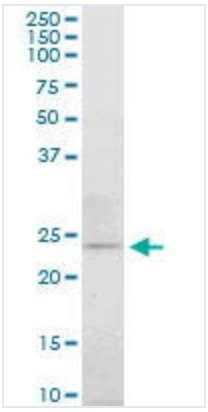
ATG5 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	ATG5, Monoclonal Antibody
Full Product Name	ATG5 (ATG5 autophagy Related 5 Homolog (S. cerevisiae), APG5, APG5-LIKE, APG5L, ASP, hAPG5) (AP)
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	3G11
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Purity/Purification	Purified
Specificity	Recognizes ATG5.
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial 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	AP
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	MBS6164059 is an antibody targeting ATG5. Also known as ATG5 (ATG5 autophagy Related 5 Homolog (S. cerevisiae), APG5, APG5-LIKE, APG5L, ASP, hAPG5) (AP). Host: Mouse. Mouse monoclonal antibody raised against a partial recombinant ATG5.
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 (M06), clone 3G11. Western Blot analysis of ATG5 expression in Jurkat.



Western Blot (WB) of anti-ATG5 antibody
ATG5 monoclonal antibody (M06), clone 3G11. 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.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.

Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/monoclonal-antibody/atg5/6164059