ATG8 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ATG8, Polyclonal Antibody
Full Product Name	ATG8 Antibody
Product Gene Name	anti-ATG8 antibody
Product Synonym Names	Autophagy-related protein 8; Autophagy-related ubiquitin-like modifier ATG8; ATG8; AUT7; CAGL0A04675g
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Candida glabrata
Form/Format	Liquid
Purity/Purification	>95%,Protein G purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.
Matching Pairs	Unconjugated Antibody: ATG8 (MBS7003919) HRP Conjugated Antibody: ATG8 (MBS969844)
Matching Pairs	Unconjugated Antibody: ATG8 (MBS7003919) Biotin Conjugated Antibody: ATG8 (MBS7002623)
Matching Pairs	Unconjugated Antibody: ATG8 (MBS7003919) FITC Conjugated Antibody: ATG8 (MBS7006360)
Molecular Weight	13,795 Da
3D Structure	ModBase 3D Structure for Q6FXR8
Immunogen	Recombinant Candida glabrata Autophagy-related protein 8 protein
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ATG8 antibody	ELISA (EIA)
Related Product Information for anti-ATG8 antibody	Ubiquitin-like modifier involved in cytoplasm to vacuole transport (Cvt) vesicles and autophagosomes formation. With ATG4, mediates the delivery of the vesicles and autophagosomes to the vacuole via the microtubule cytoskeleton. Required for selective autophagic degradation of the nucleus (nucleophagy) as well as for mitophagy which contributes to regulate mitochondrial quantity and quality by eliminating the mitochondria to a basal level to fulfill cellular energy requirements and preventing excess ROS production. Participates also in membrane fusion events that take place in the early secretory pathway. Also involved in endoplasmic reticulum-specific autophagic process and is essential for the survival of cells subjected to severe ER stress. The ATG8-PE conjugate mediates tethering between adjacent membranes and stimulates membrane hemifusion, leading to expansion of the autophagosomal membrane during autophagy.
Other Notes	Small volumes of anti-ATG8 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.

Searchable Terms for ATG8 purchase	MBS7003919 is an antibody targeting ATG8. Also known as ATG8 Antibody. Reactive in Candida glabrata. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ATG8. It may not necessarily be applicable to this product.

NCBI GI #	50285085
NCBI GeneID	2886410
NCBI Accession #	XP_444971.1
UniProt Primary Accession #	Q6FXR8
UniProt Related Accession #	Q6FXR8
GenBank Nucleotide #	XM_444971.1
NCBI Official Full Name	hypothetical protein
NCBI Official Symbol	CAGL0A04675g
UniProt Protein Name	Autophagy-related protein 8
UniProt Synonym Protein Names	Autophagy-related ubiquitin-like modifier ATG8
Protein Family	Autophagy-related protein
UniProt Gene Name	ATG8
UniProt Synonym Gene Names	AUT7
UniProt Entry Name	ATG8_CANGA
NCBI Protein Information	hypothetical protein
UniProt Comments for ATG8	Ubiquitin-like modifier involved in autophagosomes formation. With ATG4, mediates the delivery of the autophagosomes to the vacuole via the microtubule cytoskeleton. Required for selective autophagic degradation of the nucleus (nucleophagy) as well as for mitophagy which contributes to regulate mitochondrial quantity and quality by eliminating the mitochondria to a basal level to fulfill cellular energy requirements and preventing excess ROS production. Participates also in membrane fusion events that take place in the early secretory pathway. Also involved in endoplasmic reticulum-specific autophagic process and is essential for the survival of cells subjected to severe ER stress. The ATG8-PE conjugate mediates tethering between adjacent membranes and stimulates membrane hemifusion, leading to expansion of the autophagosomal membrane during autophagy.
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