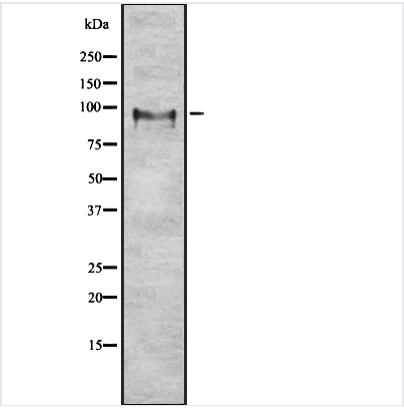
ATG9A Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ATG9A, Polyclonal Antibody
Full Product Name	ATG9A Antibody
Product Gene Name	anti-ATG9A antibody
Product Synonym Names	APG9 autophagy 9-like 1; APG9 like 1; APG9-like 1; APG9L1; ATG9; ATG9 autophagy related 9 homolog A; ATG9 autophagy related 9 homolog A (S. cerevisiae); ATG9A; ATG9A_HUMAN; Autophagy 9-like 1 protein; Autophagy related 9A; Autophagy related protein 9A; Autophagy-related protein 9A; mATG9; MGD3208; OTTHUMP00000206046; OTTHUMP00000206048; OTTHUMP00000206049; OTTHUMP00000206062
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Concentration	1mg/ml (lot specific)
Specificity	ATG9A antibody detects endogenous levels of total ATG9A
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.
Antibody/Peptide Pairs	ATG9A peptide (MBS9627225) is used for blocking the activity of ATG9A antibody (MBS9608513)
Molecular Weight	Observed: 94 kDa Predicted: 95 kDa
3D Structure	ModBase 3D Structure for Q7Z3C6
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Immunogen	A synthesized peptide derived from human ATG9A
Subcellular Location	Cytoplasmic Vesicle, Autophagosome Membrane. Golgi Apparatus, Trans-Golgi Network Membrane. Late Endosome Membrane. Endoplasmic Reticulum Membrane. Under amino acid starvation or rapamycin treatment, redistributes from a juxtanuclear clustered pool to a dispersed peripheral cytosolic pool. The starvation-induced redistribution depends on ULK1, ATG13, as well as SH3GLB1.
Predicted Cross Reactivity	**Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken**
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (90%)
Conjugation	Unconjugated
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ATG9A antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-ATG9A antibody	WB: 1:1000-3000

Related Product Information for anti-ATG9A antibody	Function: Involved in autophagy and cytoplasm to vacuole transport (Cvt) vesicle formation. Plays a key role in the organization of the preautophagosomal structure/phagophore assembly site (PAS), the nucleating site for formation of the sequestering vesicle. Cycles between a juxta-nuclear trans-Golgi network compartment and late endosomes. Nutrient starvation induces accumulation on autophagosomes. Starvation-dependent trafficking requires ULK1, ATG13 and SUPT20H. Subunit Structure: Interacts with SUPT20H. Similarity: Belongs to the ATG9 family.
Other Notes	Small volumes of anti-ATG9A 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 ATG9A purchase	MBS9608513 is an antibody targeting ATG9A. Also known as ATG9A Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-ATG9A antibody
Western blot analysis of ATG9A using K562 whole cell lysates

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ATG9A. It may not necessarily be applicable to this product.

NCBI GI #	116089282
NCBI GeneID	79065
NCBI Accession #	NP_001070666.1
UniProt Primary Accession #	Q7Z3C6
UniProt Secondary Accession #	Q3ZAQ6; Q6P0N7; Q7Z317; Q7Z320; Q8NDK6; Q8WU65; Q9BVL5; Q9H6L1; Q9HAG7
UniProt Related Accession #	Q7Z3C6
GenBank Nucleotide #	NM_001077198.2
NCBI Official Full Name	autophagy-related protein 9A
NCBI Official Synonym Full Names	autophagy related 9A
NCBI Official Symbol	ATG9A
NCBI Official Synonym Symbols	mATG9; APG9L1; MGD3208
UniProt Protein Name	Autophagy-related protein 9A
UniProt Synonym Protein Names	APG9-like 1; mATG9
Protein Family	Autophagy-related protein
UniProt Gene Name	ATG9A
UniProt Synonym Gene Names	APG9L1

NCBI Protein Information	autophagy-related protein 9A
UniProt Comments for ATG9A	Involved in autophagy and cytoplasm to vacuole transport (Cvt) vesicle formation. Plays a key role in the organization of the preautophagosomal structure/phagophore assembly site (PAS), the nucleating site for formation of the sequestering vesicle. Cycles between a juxta-nuclear trans-Golgi network compartment and late endosomes. Nutrient starvation induces accumulation on autophagosomes. Starvation-dependent trafficking requires ULK1, ATG13 and SUPT20H.
Research Articles on ATG9A	**1.** the nucleation of autophagosomes occurs in endoplasmic reticulum ubulovesicular regions, where the ULK1 complex coalesces with ER and the ATG9 compartment
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