



# Rabbit Anti-ATG9A monoclonal antibody, clone TD78-16 (CABT-L711)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Target</b>	ATG9A
<b>Immunogen</b>	Recombinant protein
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Clone</b>	TD78-16
<b>Purification</b>	Protein A purified.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, ICC, IHC, IP
<b>Molecular Weight</b>	94 kDa
<b>Cellular Localization</b>	Cytoplasmic vesicle, Golgi apparatus, Late endosome membrane, Endoplasmic reticulum membrane.
<b>Positive Control</b>	293, Hela, rat brain tissue, mouse brain tissue, mouse heart tissue.
<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	1×TBS (pH7.4), 1% BSA, 40% Glycerol.

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<b>Preservative</b>	0.05% Sodium Azide
<b>Storage</b>	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

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## BACKGROUND

<b>Introduction</b>	Autophagy, a process that results in the lysosomal-dependent degradation of cytosolic compartments, is carried out by the autophagosome, which is a double-membrane vesicle whose formation is catalyzed by several autophagy-related gene (Atg) proteins. Atg9a (autophagy-related protein 9A), also known as APG9-like 1, is a 839 amino acid, multi-pass membrane protein that localizes to the pre-autophagosomal structure (PAS). Isolation membranes are suggested to originate from the PAS, enwrapping cytoplasmic components to form a double membrane autophagosome, which then fuses with the vacuole. Ubiquitously expressed in human adult tissues, Atg9a cycles between the Golgi and endosomes and, with the autophagosome-specific marker LC3, plays a critical role in starvation-induced autophagosome formation. Three isoforms of Atg9a exist as a result of alternative splicing events.
<b>Keywords</b>	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 protein 9A;Autophagy-related protein 9A;mATG9;MGD3208;OTTHUMP00000206046;OTTHUMP00000206048;OTTHUMP00000206049;OTTHU antibody

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## GENE INFORMATION

<b>Entrez Gene ID</b>	<a href="#">1991</a>
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