



## Rabbit Anti-phospho-ATG9A (Ser735) antibody

SL5199R

<b>Product Name:</b>	phospho-ATG9A (Ser735)
<b>Chinese Name:</b>	磷酸化自噬相关蛋白9A抗体
<b>Alias:</b>	ATG9A (phospho Ser735); ATG9A (phospho S735); 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 ( <i>S. cerevisiae</i> ); ATG9A; ATG9A_HUMAN; Autophagy 9-like 1 protein; Autophagy related protein 9A; Autophagy-related protein 9A; mATG9; MGD3208; OTTHUMP00000206046; OTTHUMP00000206048; OTTHUMP00000206049; OTTHUMP00000206062.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Pig,Cow,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	94kDa
<b>Cellular localization:</b>	cytoplasmicThe cell membraneMitochondrion
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated Synthesised phosphopeptide derived from human ATG9A around the phosphorylation site of Ser735:RE(p-S)DE
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>

Plays a role in autophagy. 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 FAM48A.

**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:**

Interacts with SUPT20H.

**Subcellular Location:**

Cytoplasmic vesicle, autophagosome membrane; Multi-pass membrane protein. Golgi apparatus, trans-Golgi network membrane; Multi-pass membrane protein. Late endosome membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein. Note=Under amino acid starvation or rapamycin treatment, redistributes from a juxtannuclear clustered pool to a dispersed peripheral cytosolic pool. The starvation-induced redistribution depends on ULK1, ATG13, as well as SH3GLB1.

**Similarity:**

Belongs to the ATG9 family.

**SWISS:**

Q7Z3C6

**Gene ID:**

79065

**Database links:**

[Entrez Gene: 79065](#)Human

[Entrez Gene: 245860](#)Mouse

[Entrez Gene: 363254](#)Rat

[Omim: 612204](#)Human

[SwissProt: Q7Z3C6](#)Human

[SwissProt: Q68FE2](#)Mouse

**Product Detail:**

[SwissProt: Q5FWU3](#)Rat

[Unigene: 323363](#)Human

[Unigene: 479951](#)Mouse

[Unigene: 35248](#)Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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