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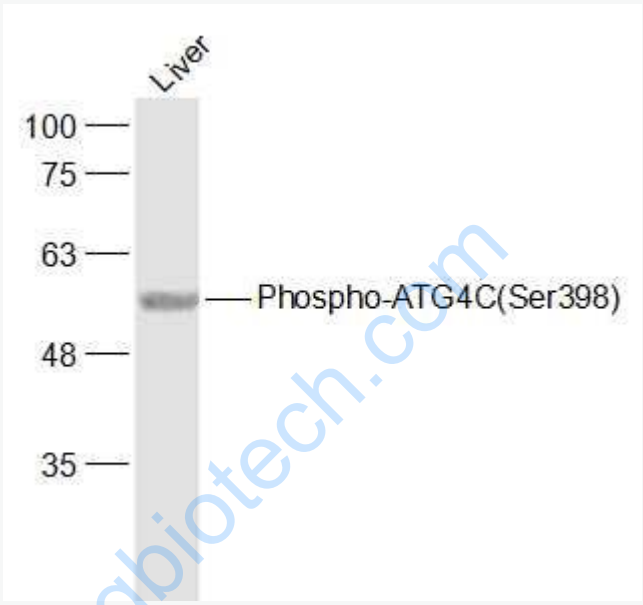
Rabbit Anti-Phospho-ATG4C (Ser398) antibody

SL5205R

Product Name:	Phospho-ATG4C (Ser398)
Chinese Name:	磷酸化自噬相关蛋白4C抗体
Alias:	Phospho-ATG4C (Ser398); Phospho-ATG4C (S398); APG4 autophagy 4 homolog C (S. cerevisiae); APG4 autophagy 4 homolog C; APG4 C; APG4-C; APG4C; ATG 4C; ATG4 autophagy related 4 homolog C (S. cerevisiae); Atg4c; ATG4C_HUMAN; AUT (S. cerevisiae) like 1, cysteine endopeptidase; AUT like 1, cysteine endopeptidase (S. cerevisiae); AUT like 1, cysteine endopeptidase; AUT like 3 cysteine endopeptidase; AUT-like 3 cysteine endopeptidase; AUTL1; AUTL3; Autophagin 3; Autophagin-3; Autophagy related cysteine endopeptidase 3; Autophagy related protein 4 homolog C; Autophagy-related cysteine endopeptidase 3; Autophagy-related protein 4 homolog C; Cysteine protease ATG4C; EC 3.4.22; FLJ14867; OTTHUMP00000010715.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,
Applications:	WB=1:500-2000ELISA=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	52kDa
Cellular localization:	The nucleuscytoplasmicMitochondrion
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated Synthesised phosphopeptide derived from human ATG4C around the phosphorylation site of Ser398:RA(p-S)EE
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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.
PubMed:	PubMed
Product Detail:	Cysteine protease required for autophagy, which cleaves the C-terminal part of either MAP1LC3, GABARAPL2 or GABARAP, allowing the liberation of form I. A subpopulation of form I is subsequently converted to a smaller form (form II). Form II, with a revealed C-terminal glycine, is considered to be the phosphatidylethanolamine (PE)-conjugated form, and has the capacity for the binding to autophagosomes. **Function:** Cysteine protease required for autophagy, which cleaves the C-terminal part of either MAP1LC3, GABARAPL2 or GABARAP, allowing the liberation of form I. A subpopulation of form I is subsequently converted to a smaller form (form II). Form II, with a revealed C-terminal glycine, is considered to be the phosphatidylethanolamine (PE)-conjugated form, and has the capacity for the binding to autophagosomes. **Subcellular Location:** Cytoplasm (Probable). **Tissue Specificity:** Highly expressed in skeletal muscle, heart, liver and testis. **Similarity:** Belongs to the peptidase C54 family. **SWISS:** Q96DT6 **Gene ID:** 84938 **Database links:** Entrez Gene: 84938Human Entrez Gene: 242557Mouse Entrez Gene: 313391Rat Omim: 611339Human SwissProt: Q96DT6Human SwissProt: Q811C2Mouse Unigene: 7353Human Unigene: 241663Mouse Unigene: 23378Rat

	Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	 Sample: Liver (Mouse) Lysate at 40 ug Primary: Anti-Phospho-ATG4C(Ser398) (SL5205R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 52 kD Observed band size: 55 kD