



Rabbit Anti-ATG4C antibody

SL4008R

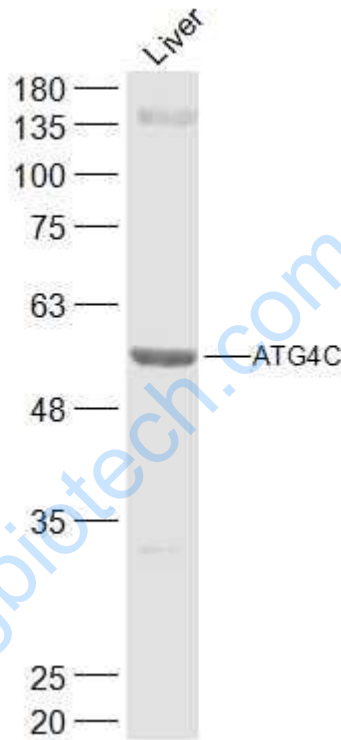
Product Name:	ATG4C
Chinese Name:	自噬相关蛋白4C抗体
Alias:	APG4 autophagy 4 homolog C (S. cerevisiae); APG4 autophagy 4 homolog C; APG4 C; APG4-C; APG4C; ATG 4C; ATG4 autophagy related 4 homolog C (S. cerevisiae); Atg4c; ATG4C_HUMAN; AUT (S. cerevisiae) like 1, cysteine endopeptidase; AUT like 1, cysteine endopeptidase (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,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=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.
Molecular weight:	52kDa
Cellular localization:	The nucleuscytoplasmicMitochondrion
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ATG4C:201-300/458
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:	<p>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.</p> <p>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.</p> <p>Subcellular Location: Cytoplasm (Probable).</p> <p>Tissue Specificity: Highly expressed in skeletal muscle, heart, liver and testis.</p> <p>Similarity: Belongs to the peptidase C54 family.</p> <p>SWISS: Q96DT6</p> <p>Gene ID: 84938</p> <p>Database links:</p> <p>Entrez Gene: 84938Human</p> <p>Entrez Gene: 242557Mouse</p> <p>Entrez Gene: 313391Rat</p> <p>Omim: 611339Human</p> <p>SwissProt: Q96DT6Human</p> <p>SwissProt: Q811C2Mouse</p> <p>Unigene: 7353Human</p> <p>Unigene: 241663Mouse</p> <p>Unigene: 23378Rat</p>

Important Note:

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

Picture:



Sample:

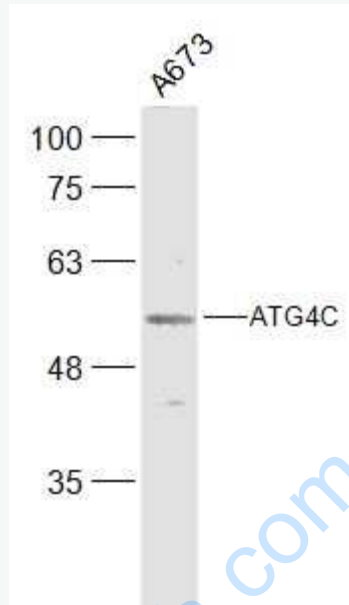
Liver (Mouse) Lysate at 40 ug

Primary: Anti-ATG4C (SL4008R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 52 kD

Observed band size: 55 kD



Sample:

A673(Human) Cell Lysate at 30 ug

Primary: Anti-ATG4C (SL4008R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 52 kD

Observed band size: 55 kD