ATG4C Antibody

PACO23801

Product Information

Size:

100ul

Reactivity:

Human, Mouse

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, IHC, IF

Recommended dilutions:

ELISA:1:2000-1:10000, WB:1:500-1:3000, IHC:1:50-1:100, IF:1:100-1:500

Protein Background:

Cysteine protease required for the cytoplasm to vacuole transport (Cvt) and autophagy. Is not essential for autophagy development under normal conditions but is required for a proper autophagic response under stressful conditions such as prolonged starvation By similarity. Cleaves the C-terminal amino acid of ATG8 family proteins MAP1LC3 and GABARAPL2, to reveal a C-terminal glycine. Exposure of the glycine at the C-terminus is essential for ATG8 proteins conjugation to phosphatidylethanolamine (PE) and insertion to membranes, which is necessary for autophagy. Has also an activity of delipidating enzyme for the PE-conjugated forms.

Gene ID:

ATG4C

Uniprot

Q96DT6

Synonyms:

APG4 autophagy 4 homolog C; APG4-C; APG4C; AUT-like 3 cysteine endopeptidase; AUTL1

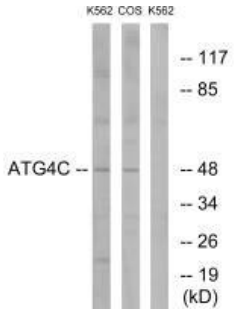
Immunogen:

Synthesized peptide derived from internal of human ATG4C.

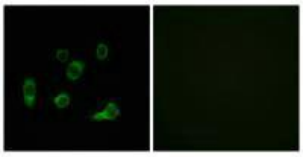
Storage:

Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

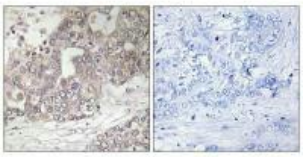
Product Images



Western blot analysis of extracts from K562 cells and COS7 cells, using ATG4C antibody.



Immunofluorescence analysis of HuvEc cells, using ATG4C antibody.



Immunohistochemistry analysis of paraffin-embedded human liver carcinoma tissue using ATG4C antibody.

