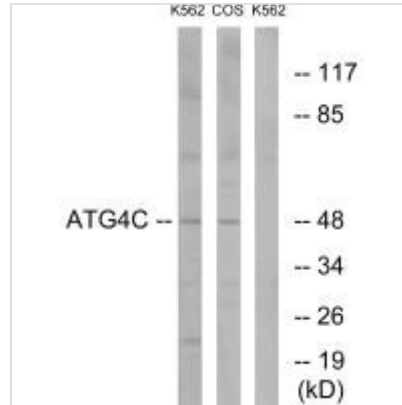


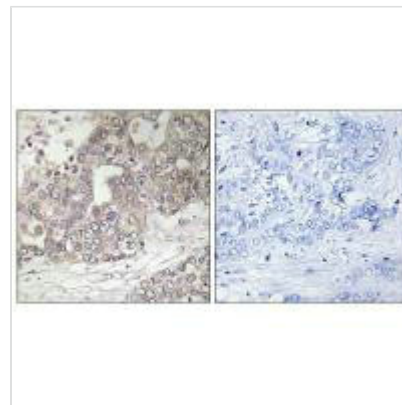


# ATG4C Antibody

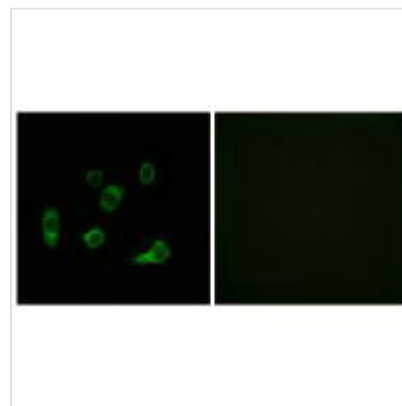
<b>Product Code</b>	CSB-PA097577
<b>Storage</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Uniprot No.</b>	Q96DT6
<b>Immunogen</b>	Synthesized peptide derived from internal of Human ATG4C.
<b>Raised In</b>	Rabbit
<b>Species Reactivity</b>	Human, Mouse
<b>Specificity</b>	The antibody detects endogenous levels of total ATG4C protein.
<b>Tested Applications</b>	ELISA, WB, IHC, IF; WB: 1:500-1:3000, IHC: 1:50-1:100, IF: 1:100-1:500
<b>Relevance</b>	<p>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.</p> <p>Marino G., J. Biol. Chem. 278:3671-3678(2003). Chen J.M., Submitted (JUL-2001) to the EMBL/GenBank/DDBJ databases. Ota T., Nat. Genet. 36:40-45(2004).</p>
<b>Form</b>	Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Purification Method</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Alias</b>	APG4 autophagy 4 homolog C; APG4-C; APG4C; AUT-like 3 cysteine endopeptidase; AUTL1
<b>Product Type</b>	Polyclonal Antibody
<b>Species</b>	Homo sapiens (Human)
<b>Target Names</b>	ATG4C
<b>Image</b>	



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



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



Immunofluorescence analysis of HuvEc cells, using ATG4C antibody.