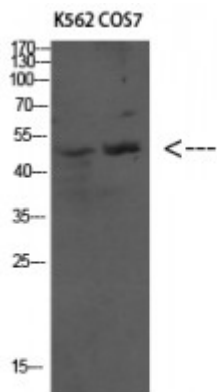


Anti-Atg4C antibody



Description	Rabbit polyclonal to Atg4C.
Model	STJ91760
Host	Rabbit
Reactivity	Human, Simian
Applications	ELISA, IF, IHC, WB
Immunogen	Synthesized peptide derived from human Atg4C
Immunogen Region	40-120 aa, N-terminal
Gene ID	84938
Gene Symbol	ATG4C
Dilution range	WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:20000
Specificity	Atg4C Polyclonal Antibody detects endogenous levels of Atg4C protein.
Tissue Specificity	Highly expressed in skeletal muscle, heart, liver and testis.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Cysteine protease ATG4C AUT-like 3 cysteine endopeptidase Autophagin-3 Autophagy-related cysteine endopeptidase 3 Autophagy-related protein 4 homolog C
Molecular Weight	49 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:16040OMIM:611339
Alternative Names	Cysteine protease ATG4C AUT-like 3 cysteine endopeptidase Autophagin-3 Autophagy-related cysteine endopeptidase 3 Autophagy-related protein 4 homolog C
Function	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 . 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.
Cellular Localization	Cytoplasm

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