

Product Information

Size:

50ul

Reactivity:

Human, Mouse

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, IHC

Recommended dilutions:

ELISA:1:2000-1:10000, WB:1:200-1:1000,
IHC:1:20-1:200

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. 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:

Cysteine protease ATG4C (EC 3.4.22. -) (AUT-like 3 cysteine endopeptidase) (Autophagin-3) (Autophagy-related cysteine endopeptidase 3) (Autophagy-related protein 4 homolog C), ATG4C, APG4C AUTL1 AUTL3

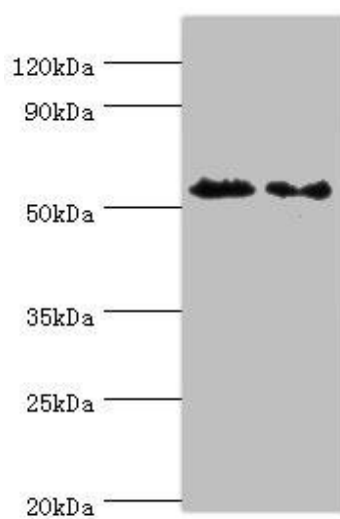
Immunogen:

Recombinant Human Cysteine protease ATG4C protein (259-458AA).

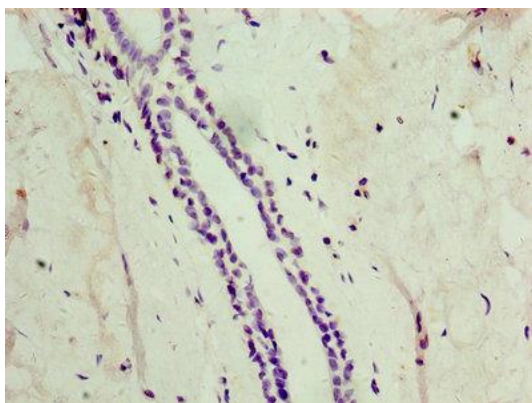
Storage:

PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Product Images



Western blot. All lanes: ATG4C antibody at 9 μ g/ml. Lane 1: Mouse lung tissue. Lane 2: HepG2 whole cell lysate. Secondary: Goat polyclonal to rabbit IgG at 1/10000 dilution. Predicted band size: 52 kDa. Observed band size: 52 kDa.



Immunohistochemistry of paraffin-embedded human breast cancer using PACO43803 at dilution of 1:100.