

Datasheet for ABIN7149017
anti-ATG4A antibody (AA 1-214)



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	ATG4A
Binding Specificity:	AA 1-214
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATG4A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Recombinant Human Cysteine protease ATG4A protein (1-214AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	>95%, Protein G purified

Target Details

Target:	ATG4A
Alternative Name:	ATG4A (ATG4A Products)
Background:	Background: Cysteine protease required for the cytoplasm to vacuole transport (Cvt) and autophagy. Cleaves the C-terminal amino acid of ATG8 family proteins to reveal a C-terminal

Target Details

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. Preferred substrate is GABARAPL2 followed by MAP1LC3A and GABARAP. Has also an activity of delipidating enzyme for the PE-conjugated forms.

Aliases: AI627006 antibody, APG4 autophagy 4 homolog A antibody, Apg4a antibody, ATG4 autophagy related 4 homolog A (S. cerevisiae) antibody, ATG4 autophagy related 4 homolog A antibody, ATG4A antibody, ATG4A_HUMAN antibody, Atg4a1 antibody, AUT like 2 cysteine endopeptidase antibody, AUT-like 2 cysteine endopeptidase antibody, Autl2 antibody, Autophagin 2 antibody, Autophagin-2 antibody, Autophagy related 4A cysteine peptidase antibody, Autophagy related cysteine endopeptidase 2 antibody, Autophagy related protein 4 homolog A antibody, Autophagy-related cysteine endopeptidase 2 antibody, Autophagy-related protein 4 homolog A antibody, AV169859 antibody, Cysteine protease ATG4A antibody, hAPG4A antibody, MGC107179 antibody

UniProt: [Q8WYN0](#)

Pathways: [Autophagy](#)

Application Details

Application Notes: Recommended dilution: WB:1:200-1:1000,

Restrictions: For Research Use only

Handling

Format: Liquid

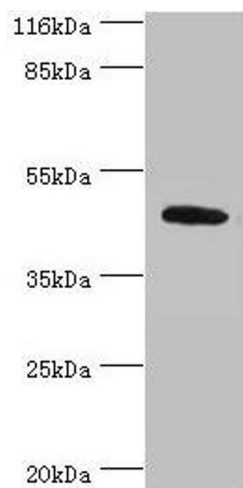
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Western Blotting

Image 1. Western blot All lanes: ATG4A antibody at 2 μ g/mL + Mouse brain tissue Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 46, 39, 37, 43 kDa Observed band size: 46 kDa