

Datasheet for ABIN7149031
anti-ATG4D antibody (AA 14-43) (Biotin)



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Overview

Quantity:	100 µg
Target:	ATG4D
Binding Specificity:	AA 14-43
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATG4D antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Cysteine protease ATG4D protein (14-43AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	ATG4D
Alternative Name:	ATG4D (ATG4D Products)
Background:	Background: Cysteine protease ATG4D: Cysteine protease required for the cytoplasm to vacuole transport (Cvt) and autophagy. Cleaves the C-terminal amino acid of ATG8 family

Target Details

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.

Aliases: 9830134P12Rik antibody, APG4 autophagy 4 homolog D antibody, APG4 D antibody, APG4, S. cerevisiae, homolog of, D antibody, APG4D antibody, ATG4 autophagy related 4 homolog D (S. cerevisiae) antibody, Atg4d antibody, ATG4D_HUMAN antibody, Atg4dl antibody, AUT like 4 cysteine endopeptidase antibody, AUT-like 4 cysteine endopeptidase antibody, AUTL4 antibody, Autophagin 4 antibody, Autophagin-4 antibody, autophagy 4, S. cerevisiae, homolog of, D antibody, autophagy related 4D, cysteine peptidase antibody, Autophagy related cysteine endopeptidase 4 antibody, Autophagy related protein 4 homolog D antibody, Autophagy-related cysteine endopeptidase 4 antibody, Autophagy-related protein 4 homolog D antibody, Cysteine protease ATG4D antibody, Cysteine protease involved in autophagy antibody, MGC31226 antibody

UniProt: [Q86TL0](#)

Pathways: [Autophagy](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

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.