



Rabbit Anti-Human ATG4B monoclonal antibody, clone 2ID7MD20 (CABT-L1203)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	ATG4B
Immunogen	Full-length protein corresponding to human ATG4B
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Non-human primate
Clone	2ID7MD20
Purification	Protein A Purified
Conjugate	Unconjugated
Applications	FC, ICC, IHC-P, IF, WB
Format	Liquid
Concentration	0.5 mg/ml
Buffer	PBS, pH 7.2
Preservative	0.09% Sodium Azide
Storage	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

BACKGROUND

Introduction

Cysteine protease ATG4b is an enzyme which is coded by ATG4b gene. Autophagy is a critical cellular homeostatic process that controls the turnover of damaged organelles and protein. ATG4b is a deubiquitin-like protease that plays dual roles in the core machinery of autophagy. ATG4b, cleaves the C-terminal amino acid of ATG8 family proteins MAP1LC3, GABARAPL1, GABARAPL2 and GABARAP, 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. ATG4b is mainly expressed in the skeletal muscle, brain, heart, liver and pancreas.

Keywords

ATG4B;autophagy related 4B, cysteine peptidase;APG4B;AUTL1;cysteine protease
ATG4B;hAPG4B;autophagin-1;APG4 autophagy 4 homolog B;AUT-like 1 cysteine
endopeptidase;ATG4 autophagy related 4 homolog B;autophagy-related protein 4 homolog
B;autophagy-related cysteine endopeptidase 1

GENE INFORMATION

Entrez Gene ID

[23192](#)

UniProt ID

[Q9Y4P1](#)