



# 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

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

## BACKGROUND

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<b>Introduction</b>	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.
<b>Keywords</b>	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

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## GENE INFORMATION

<b>Entrez Gene ID</b>	<a href="#">23192</a>
<b>UniProt ID</b>	<a href="#">Q9Y4P1</a>

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