# antibodies - online.com







# anti-ATG4B antibody (AA 85-200)



**Images** 



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Quantity:	100 μL
Target:	ATG4B
Binding Specificity:	AA 85-200
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATG4B antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

#### **Product Details**

Immunogen:	KLH conjugated synthetic peptide derived from human ATG4B
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow
Purification:	Purified by Protein A.

## Target Details

Target: ATG4B

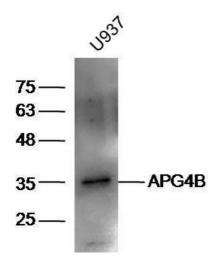
## Target Details

Alternative Name:	ATG4B (ATG4B Products)	
Background:	Synonyms: APG4B, AUTL1, Cysteine protease ATG4B, AUT-like 1 cysteine endopeptidase,	
	Autophagin-1, Autophagy-related cysteine endopeptidase 1, Autophagy-related protein 4	
	homolog B, hAPG4B, ATG4B, KIAA0943	
	Background: Cysteine protease required for the cytoplasm to vacuole transport (Cvt) and	
	autophagy. 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. Has also an activity of delipidating	
	enzyme for the PE-conjugated forms.	
Gene ID:	23192	
UniProt:	Q9Y4P1	
Pathways:	Autophagy	
Application Details		
Application Notes:	ELISA 1:500-1000	
	IHC-P 1:200-400	
	IHC-F 1:100-500	
	IF(IHC-P) 1:50-200	
	IF(IHC-F) 1:50-200	
	IF(ICC) 1:50-200	
	ICC 1:100-500	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	1 μg/μL	
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.	
Preservative:	ProClin	
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be	
	handled by trained staff only.	

#### Handling

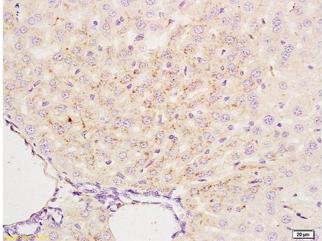
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

#### **Images**



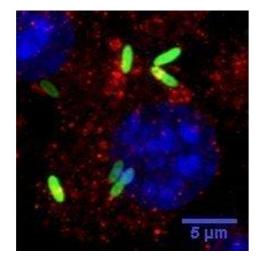
#### **Western Blotting**

**Image 1.** U937 lysates probed with Rabbit Anti-ATG4B Polyclonal Antibody, Unconjugated at 1:5000 for 90 min at 37°C.



#### **Immunohistochemistry**

**Image 2.** Formalin-fixed and paraffin embedded mouse liver labeled with Anti-APG4B/AUTL1 Polyclonal Antibody, Unconjugated (ABIN685777) at 1:200 followed by conjugation to the secondary antibody and DAB staining.



#### **Immunofluorescence**

Image 3. Image kindly submitted by M. G. Connor as part of the free sample program. The bacteria Zprojection image figure legend: RAW264.7 Macrophage cells infected with GFP-bacteria (MOI3), stained with ATG4B primary antibody (1:1000) and visualized with Alexa Flour 595 (red). Nucleus is stained with DAPI (blue). Coverslips mounted with Prolong Gold Antifade with DAPI. Zprojections generated using FIJI. Scale bar is 5um. Images courtesy of M. G.

Connor 2014