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anti-ATG4A antibody (AA 51-150)

Images



Overview

Quantity:	100 μL
Target:	ATG4A
Binding Specificity:	AA 51-150
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATG4A antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), 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 ATG4A
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Cow,Rabbit
Purification:	Purified by Protein A.

Target Details

Target: ATG4A

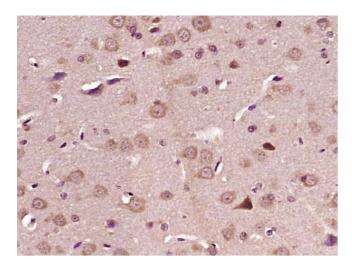
Target Details

Alternative Name:	ATG4A (ATG4A Products)
Background:	Synonyms: Cysteine protease, AUT-like 2 cysteine endopeptidase, Autophagin-2, Autophagy-
	related cysteine endopeptidase 2, Autophagy-related protein 4 homolog A, hAPG4A, APG4A,
	AUTL2
	Background: ATG4A is a cysteine protease required for autophagy, which cleaves the C-
	terminal part of either MAP1LC3, GABARAPL2 or GABARAP, allowing the liberation of form I. A
	subpopulation of form I is subsequently converted to a smaller form (form II). Form II, with a
	revealed C-terminal glycine, is considered to be the phosphatidylethanolamine (PE)-conjugated
	form, and has the capacity for the binding to autophagosomes.
Gene ID:	115201
UniProt:	Q8WYN0
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
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.
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:

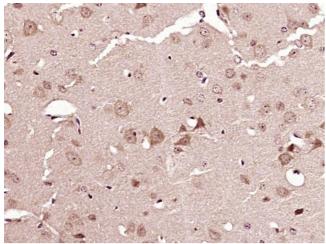
12 months

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Paraformaldehyde-fixed, paraffin embedded Rat brain Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes Blocking buffer (normal goat serum) at 37°C for 30min Antibody incubation with ATG4A Polyclonal Antibody, Unconjugated at 1:400 overnight at 4°C, DAB staining.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Paraformaldehyde-fixed, paraffin embedded mouse brain Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes Blocking buffer (normal goat serum) at 37°C for 30min Antibody incubation with ATG4A Polyclonal Antibody, Unconjugated at 1:400 overnight at 4°C, DAB staining.