.-online.com antibodies

Datasheet for ABIN4906361 anti-ATG4A antibody

2 Images



Overview

Quantity:	100 µL
Target:	ATG4A
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ATG4A antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc))

Product Details

Immunogen:	This ATG4A antibody is generated from a mouse immunized with a recombinant protein.
Clone:	14C9
Isotype:	lgG2b
Cross-Reactivity:	Human
Purification:	Purified by Protein G.

Target Details

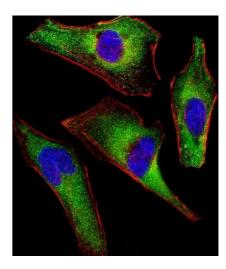
Target:	ATG4A
Alternative Name:	ATG4A (ATG4A Products)
Background:	Synonyms: APG4A, AUTL2, Cysteine protease ATG4A, AUT-like 2 cysteine endopeptidase,

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN4906361 | 03/07/2024 | Copyright antibodies-online. All rights reserved.

5	
	Autophagin-2, Autophagy-related cysteine endopeptidase 2, Autophagy-related protein 4
	homolog A, hAPG4A, ATG4A
	Background: Cysteine protease required for the cytoplasm to vacuole transport (Cvt) and
	autophagy. Cleaves the C-terminal amino acid of ATG8 family proteins 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 autophag
	Preferred substrate is GABARAPL2 followed by MAP1LC3A and GABARAP. Has also an activity
	of delipidating enzyme for the PE-conjugated forms.
Gene ID:	115201
UniProt:	Q8WYN0
Pathways:	Autophagy
Application Details	
Application Notes:	WB 1:300-5000
	IHC-P 1:200-400
	IF(ICC) 1:50-200
	IF()
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	0.5 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:	-20 °C
Storage Comment:	Store at -20°C for 12 months.
Expiry Date:	12 months

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/3 | Product datasheet for ABIN4906361 | 03/07/2024 | Copyright antibodies-online. All rights reserved.





Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Paraformaldehyde-fixed, paraffin embedded Human brain tissue, Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 15 minutes, Blocking buffer (3% BSA) at room temperature for 30min, Antibody incubation with ATG4A (1458CT808.66.25.69) Monoclonal Antibody (bsm-51292M) at 1:25 for 1 hour at 37°C, followed by a conjugated secondary antibody for 20 minutes and DAB staining.

Immunofluorescence (Cultured Cells)

Image 2. Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized HeLa cells labeled with ATG4A (1458CT808.66.25.69) Monoclonal Antibody (bsm-51292M) at 1/25 dilution, followed by secondary antibody (green), cytoplasmic actin staining (red), and nuclear counter stain with DAPI (blue).

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 3/3 | Product datasheet for ABIN4906361 | 03/07/2024 | Copyright antibodies-online. All rights reserved.