.-online.com antibodies

Datasheet for ABIN387986 anti-ATG12 antibody (N-Term)

1 Image

1 Publication



Overview

Quantity:	400 µL
Target:	ATG12
Binding Specificity:	AA 8-38, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATG12 antibody is un-conjugated
Application:	Immunofluorescence (IF)

Product Details

Immunogen:	This ATG12 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 8-38 amino acids from the N-terminal region of human ATG12.
Clone:	RB2793
lsotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	ATG12
Alternative Name:	ATG12 (ATG12 Products)
Background:	Macroautophagy is the major inducible pathway for the general turnover of cytoplasmic

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 ABIN387986 | 09/12/2023 | Copyright antibodies-online. All rights reserved.

constituents in eukaryotic cells, it is also responsible for the degradation of active cytoplasmic
enzymes and organelles during nutrient starvation. Macroautophagy involves the formation of
double-membrane bound autophagosomes which enclose the cytoplasmic constituent
targeted for degradation in a membrane bound structure, which then fuse with the lysosome
(or vacuole) releasing a single-membrane bound autophagic bodies which are then degraded
within the lysosome (or vacuole). APG12L is the human homolog of yeast APG12, a ubiquitin-
activating enzyme E1-like protein essential for the conjugation system that mediates
membrane fusion in autophagy.

Molecular Weight:	15113
Gene ID:	9140
NCBI Accession:	NP_001264712, NP_004698
UniProt:	094817
Pathways:	Autophagy

Application Details

Application Notes:	IF: 1:50~100
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Product cited in:

Wang, Liu, Zhao, Song, Wang, Wang, Sun: "Phosphorylation of CDK2 on threonine 160 influences silencing of sex chromosome during male meiosis." in: **Biology of reproduction**, Vol. 90, Issue 6, pp. 138, (2014) (PubMed).

Images



Immunofluorescence

Image 1. Mouse leukaemic monocyte macrophage cells treated with vinblastine for 1 hr. G12L antibody (Cat 1151a) detected punctuate staining indicative of nascent autophagic vacuole structures. Data courtesy of Dr. Barry Boland, Department of Pharmacology, Oxford University.

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 ABIN387986 | 09/12/2023 | Copyright antibodies-online. All rights reserved.