antibodies

Datasheet for ABIN3023409 anti-ATG4A antibody (AA 289-398)

3 Images



Overview

Quantity:	100 μL
Target:	ATG4A
Binding Specificity:	AA 289-398
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATG4A antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

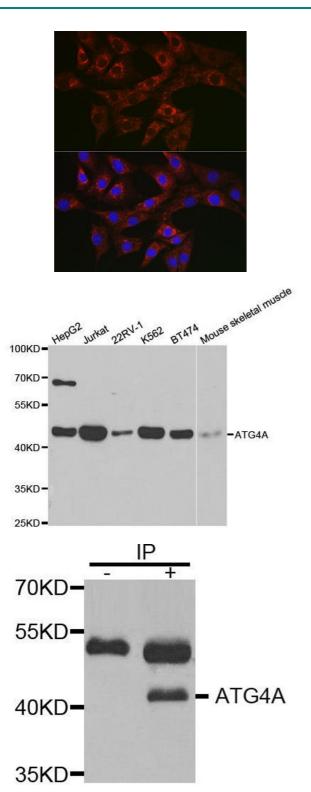
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 289-398 of human ATG4A (NP_443168.2).
Sequence:	TEENGTVNDQ TFHCLQSPQR MNILNLDPSV ALGFFCKEEK DFDNWCSLVQ KEILKENLRM FELVQKHPSH WPPFVPPAKP EVTTTGAEFI DSTEQLEEFD LEEDFEILSV
Isotype:	lgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

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Target Details

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Target:	ATG4A
Alternative Name:	ATG4A (ATG4A Products)
Background:	Autophagy is the process by which endogenous proteins and damaged organelles are
	destroyed intracellularly. Autophagy is postulated to be essential for cell homeostasis and cel
	remodeling during differentiation, metamorphosis, non-apoptotic cell death, and aging.
	Reduced levels of autophagy have been described in some malignant tumors, and a role for
	autophagy in controlling the unregulated cell growth linked to cancer has been proposed. This
	gene encodes a member of the autophagin protein family. The encoded protein is also
	designated as a member of the C-54 family of cysteine
	proteases.,ATG4A,APG4A,AUTL2,Cancer,Invasion and Metastasis,Signal Transduction,Cell
	Biology & Developmental Biology,Autophagy,Extracellular Matrix,Ubiquitin,Endocrine &
	Metabolism,Mitochondrial metabolism,Cardiovascular,Heart,ATGs,ATG4A
Molecular Weight:	36 kDa/38 kDa/42 kDa/45 kDa
Gene ID:	115201
JniProt:	Q8WYN0
Pathways:	Autophagy
Application Details	
Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Restrictions:	For Research Use only
Handling	
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
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:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

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Immunofluorescence

Image 1. Immunofluorescence analysis of NIH/3T3 cells using A Rabbit pAb (ABIN3023408, ABIN3023409, ABIN3023410 and ABIN6219712) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.

Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using ATG4A antibody.

Immunoprecipitation

Image 3.

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