

Datasheet for ABIN7265795
anti-ATG4D antibody (AA 1-230)



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Overview

Quantity:	100 µL
Target:	ATG4D
Binding Specificity:	AA 1-230
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATG4D antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Purpose:	[KO Validated] ATG4D Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-230 of human ATG4D (NP_116274.3).
Sequence:	MNSVSPAAQ YRSSPEDAR RRPEARPRG PRGPDPNGLG PSGASGPALG SPGAGPSEPD EVDKFKAKFL TAWNNVKYGW VVKSRTSFSK ISSIHLGRR YRFEGEGDIQ RFQRDFVSRL WLTYYRDFPP LPGGCLTSDC GWGCMRSGQ MMLAQGLLLH FLPRDWTWAE GMGLGPPELS GSASPSRYHG PARWMPPRWA QGAPELEQER RHRQIVSWFA DHPRAPFGLH
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Product Details

Purification: Affinity purification

Grade: KO Validated

Target Details

Target: ATG4D

Alternative Name: ATG4D ([ATG4D 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 cell 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 belongs to the autophagy-related protein 4 (Atg4) family of C54 endopeptidases. Members of this family encode proteins that play a role in the biogenesis of autophagosomes, which sequester the cytosol and organelles for degradation by lysosomes. Alternative splicing results in multiple transcript variants.,ATG4D,APG4-D,APG4D,AUTL4,Cancer,Signal Transduction,Cell Biology & Developmental Biology,Autophagy,Ubiquitin,Endocrine & Metabolism,Mitochondrial metabolism,Cardiovascular,Heart,ATGs,ATG4D

Molecular Weight: 16kDa/52kDa

Gene ID: 84971

UniProt: [Q86TL0](#)

Pathways: [Autophagy](#)

Application Details

Application Notes: WB,1:500 - 1:2000,IF,1:50 - 1:200

Restrictions: For Research Use only

Handling

Format: Liquid

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

Handling

should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.