

# Datasheet for ABIN2787856

# anti-ATG4D antibody (Middle Region)

# 2 Images



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Quantity:	100 μL
Target:	ATG4D
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Pig, Cow, Dog, Rabbit, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATG4D antibody is un-conjugated
Application:	Western Blotting (WB)
Product Details	
Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human ATG4D
Sequence:	AQGAPELEQE RRHRQIVSWF ADHPRAPFGL HRLVELGQSS GKKAGDWYGP
Predicted Reactivity:	Cow: 100%, Dog: 93%, Guinea Pig: 93%, Human: 100%, Mouse: 90%, Pig: 100%, Rabbit: 100%
Characteristics:	This is a rabbit polyclonal antibody against ATG4D. It was validated on Western Blot.
Purification:	Affinity Purified
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 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.

Alias Symbols: APG4-D, APG4D, AUTL4

Protein Interaction Partner: UBC,

Protein Size: 474

Molecular Weight: 53 kDa

Gene ID: 84971

NCBI Accession: NM\_032885, NP\_116274

UniProt: Q86TL0

Pathways: Autophagy

## **Application Details**

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 474 AA
Restrictions:	For Research Use only
Handling	

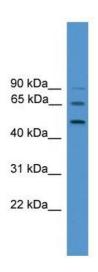
#### Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C

Storage Comment:

For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## **Images**



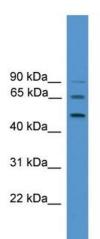
## **Western Blotting**

Image 1. WB Suggested Anti-ATG4D Antibody Titration:

0.2-1 ug/ml

**ELISA Titer:** 1:312500

Positive Control: HCT15 cell lysate



Rabbit Anti-ATG4D Antibody Catalog Number: ARP58865 Lot Number: QC29841 Lane: HCT15 Cell Lysate

Antibody Titration: 1.0µg/ml Gel Concentration: 12%

## **Western Blotting**

Image 2. WB Suggested Anti-ATG4D

Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:.12500

Positive Control: HCT15 cell lysate