

Datasheet for ABIN2787856
anti-ATG4D antibody (Middle Region)



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2 Images

Overview

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

Target Details

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

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

Handling

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

