

Product datasheet for TA344179

ATG4D Rabbit Polyclonal Antibody

Product data:

Clonality:

Product Type: Primary Antibodies

Applications:

Recommended Dilution: WB

Reactivity: Human

Rabbit Host:

Isotype: lgG Polyclonal

Immunogen: The immunogen for anti-ATG4D antibody: synthetic peptide directed towards the middle

region of human ATG4D. Synthetic peptide located within the following region:

AQGAPELEQERRHRQIVSWFADHPRAPFGLHRLVELGQSSGKKAGDWYGP

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

Purification: Affinity Purified

Conjugation: Unconjugated

Store at -20°C as received. Storage:

Stability: Stable for 12 months from date of receipt.

Predicted Protein Size: 53 kDa

Gene Name: autophagy related 4D cysteine peptidase

Database Link: NP 116274

Entrez Gene 84971 Human

Q86TL0



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ATG4D Rabbit Polyclonal Antibody - TA344179

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.

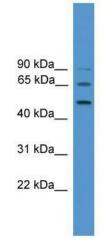
Synonyms: APG4-D; APG4D; AUTL4

Note: Immunogen Sequence Homology: Pig: 100%; Human: 100%; Bovine: 100%; Rabbit: 100%; Dog:

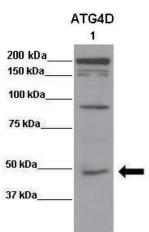
93%; Guinea pig: 93%; Mouse: 90%

Protein Pathways: Regulation of autophagy

Product images:



WB Suggested Anti-ATG4D Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:312500; Positive Control: HCT15 cell lysate



Lane 1: 20ug 143B lysate; Primary Antibody Dilution: 1:1000; Secondary Antibody: Antirabbit-HRP; Secondary Antibody Dilution: 1:10,000; Gene Name: ATG4D; Submitted by: Luis Anton, Universidad Autonoma de Madrid