

## Product datasheet for **TA344179**

### ATG4D Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	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. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	53 kDa
Gene Name:	autophagy related 4D cysteine peptidase
Database Link:	<a href="#">NP_116274</a> <a href="#">Entrez Gene 84971 Human</a> <a href="#">Q86TL0</a>



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**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:**
