

Product datasheet for **AP32159PU-N**

ATG4D (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1/1,000. Western blot: 1/50-1/100. Immunofluorescence. Immunohistochemistry on Paraffin Sections: 1/50-1/100.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 49-79 amino acids from the N-terminal region of Human ATG4D
Specificity:	This antibody recognizes Human and Mouse ATG4D (N-term). Other species not tested.
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Saturated Ammonium Sulfate precipitation followed by dialysis against PBS
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	52922 Da
Gene Name:	autophagy related 4D cysteine peptidase
Database Link:	Entrez Gene 84971 Human Q86TLO



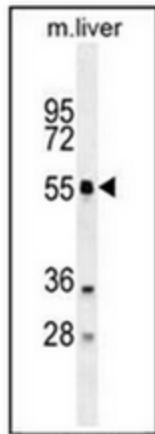
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Background:

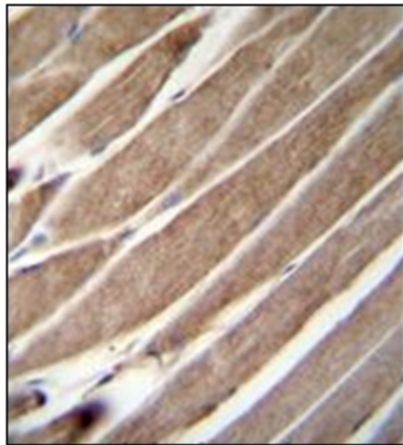
Autophagy is the process by which endogenous proteins and damaged organelles are destroyed intracellularly. Autophagy is postulated to be essential for cell homeostasis and cell remodeling during differentiation, metamorphosis, non-apoptotic cell death, and aging. Reduced levels of autophagy have been 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:

AUTL4, Autophagin-4

Product images:

Western blot analysis in mouse liver tissue lysates using ATG4D Antibody (N-term) (35ug/lane).



Formalin Fixed, Paraffin Embedded Human skeletal muscle stained with ATG4D Antibody (N-term) followed by peroxidase conjugation to the secondary antibody and DAB staining.