Datasheet for ABIN1449592

anti-ATG4D antibody (N-Term)

2 Images

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Overview

Quantity:	0.4 mL
Target:	ATG4D
Binding Specificity:	AA 49-79, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATG4D antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 49-79 amino acids from the N-terminal region of Human ATG4D
Isotype:	Ig Fraction
Purification:	Saturated Ammonium Sulfate precipitation followed by dialysis against PBS

Target Details

Target:	ATG4D
Alternative Name:	APG4D / 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

Target Details

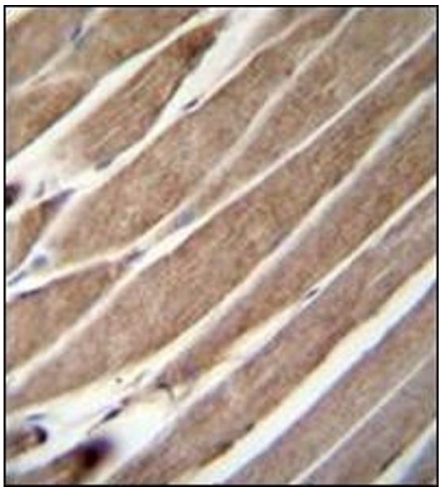
	remodeling during differentiation, metamorphosis, non-apoptotic cell death, and aging. Reduced levels of autophagy have been described in some malignant tumors, and a role for autophagy in controlling the unregulated cell growth linked to cancer has been proposed. This gene encodes a member of the autophagin protein family. The encoded protein is also designated as a member of the C-54 family of cysteine proteases.Synonyms: AUT-like 4 cysteine endopeptidase, AUTL4, Autophagin-4, Autophagy-related cysteine endopeptidase 4, Autophagy-related protein 4 homolog D, Cysteine protease ATG4D
Molecular Weight:	52922 Da
Gene ID:	84971
NCBI Accession:	NP_116274
Pathways:	Autophagy

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

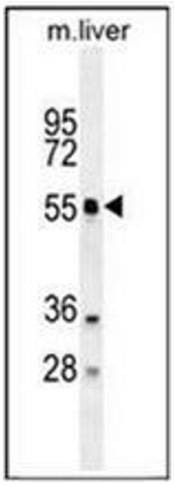
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) Sodium Azide as preservative
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 freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin Fixed, Paraffin Embedded Human skeletal muscle stained with ATG4D Antibody (N-term) followed by peroxidase conjugation to the secondary antibody and DAB staining.



Western Blotting

Image 2. Western blot analysis in mouse liver tissue lysates using ATG4D Antibody (N-term) Cat.-No AP32159PU-N (35ug/lane).