

Datasheet for ABIN783751
anti-ATG9A antibody (C-Term)

2 Images



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Overview

Quantity:	0.1 mg
Target:	ATG9A
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATG9A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	18 amino acid peptide near the carboxy terminus of human ATG9A
Specificity:	This antibody detects APG9L1 / ATG9A at C-term.
Cross-Reactivity (Details):	Species reactivity (tested): Human, mouse, rat
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	ATG9A
Alternative Name:	APG9L1 / ATG9A (ATG9A Products)
Background:	Autophagy, the process of bulk degradation of cellular proteins through an autophagosomic-

Target Details

lysosomal pathway is important for normal growth control and may be defective in tumor cells. It is involved in the preservation of cellular nutrients under starvation conditions as well as the normal turnover of cytosolic components. This process is negatively regulated by TOR (Target of rapamycin) through phosphorylation of autophagy protein APG1. ATG9A, a multi-spanning membrane protein localizing to the Golgi apparatus and late endosomes, has been proposed to mediate membrane transport to generate autophagosomes. ATG9A has also been implicated as a regulator of STING (stimulator of interferon genes)-mediated innate immune response. Synonyms: APG9-like 1, Autophagy-related protein 9A

Gene ID: 79065

NCBI Accession: [NP_001070666](#)

UniProt: [Q7Z3C6](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Buffer: PBS containing 0.02 % sodium azide

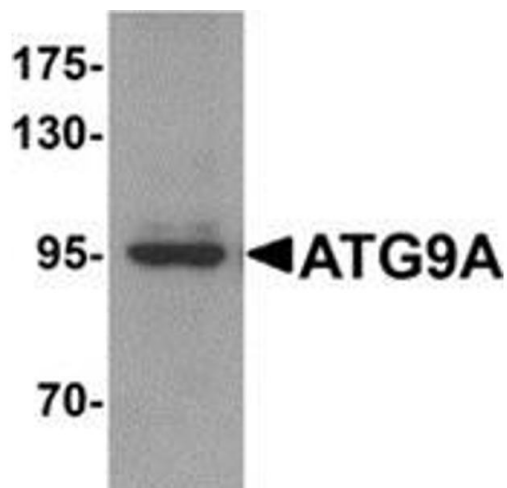
Preservative: Sodium azide

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.

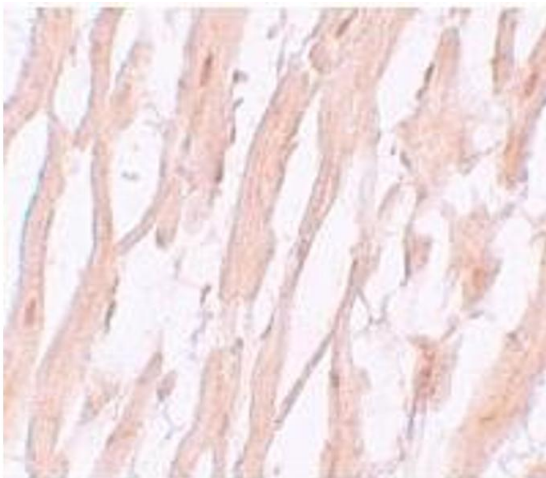
Storage: 4 °C/-20 °C

Storage Comment: Store at 2 - 8 °C for up to three months or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. Western blot analysis of ATG9A in mouse heart tissue lysate with ATG9A antibody at 1 µg/ml.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry of ATG9A in human heart tissue with ATG9A antibody at 5 µg/mL.