Datasheet for ABIN388527

anti-ATG9A antibody (AA 252-281)

3 Images

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Overview

Quantity:	400 µL
Target:	ATG9A
Binding Specificity:	AA 252-281
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATG9A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This ATG9A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 252-281 amino acids from the Central region of human ATG9A.
Clone:	RB7504
Isotype:	Ig Fraction
Predicted Reactivity:	B, Rat
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	ATG9A

Target Details

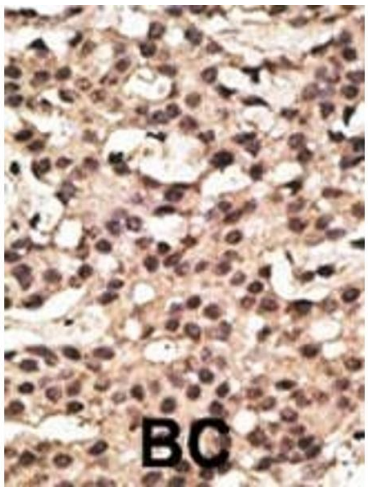
Alternative Name:	ATG9A (ATG9A Products)
Background:	Macroautophagy is the major inducible pathway for the general turnover of cytoplasmic constituents in eukaryotic cells, it is also responsible for the degradation of active cytoplasmic enzymes and organelles during nutrient starvation. Macroautophagy involves the formation of double-membrane bound autophagosomes which enclose the cytoplasmic constituent targeted for degradation in a membrane bound structure, which then fuse with the lysosome (or vacuole) releasing a single-membrane bound autophagic bodies which are then degraded within the lysosome (or vacuole). Apg9 plays a direct role in the formation of the cytoplasm to vacuole targeting and autophagic vesicles, possibly serving as a marker for a specialized compartment essential for these vesicle-mediated alternative targeting pathways.
Molecular Weight:	94447
Gene ID:	79065
NCBI Accession:	NP_001070666, NP_076990
UniProt:	Q7Z3C6

Application Details

Application Notes:	WB: 1:1000. WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only

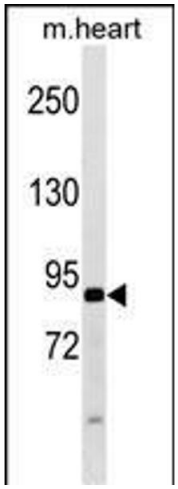
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



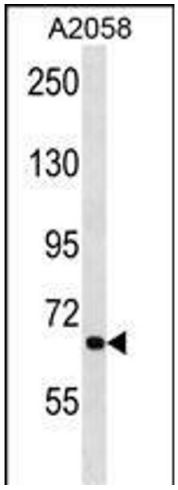
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.



Western Blotting

Image 2. G9L1 Antibody 1814b western blot analysis in mouse heart tissue lysates (35 µg/lane).This demonstrates the G9L1 antibody detected the G9L1 protein (arrow).



Western Blotting

Image 3. G9L1 Antibody 1814b western blot analysis in cell line lysates (35 µg/lane).This demonstrates the G9L1 antibody detected the G9L1 protein (arrow).

