

Datasheet for ABIN5066222
anti-ATG9B antibody (AA 110-121) (HRP)



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2 Images

Overview

Quantity:	100 µg
Target:	ATG9B
Binding Specificity:	AA 110-121
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATG9B antibody is conjugated to HRP
Application:	Western Blotting (WB), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Immunogen:	Synthetic peptide from the N-terminal of Human ATG9B (aa. 110-121)
Isotype:	IgG
Specificity:	Highly expressed in placenta (trophoblast cells) and pituitary gland. Not expressed in vascular endothelial., Detects ~100 kDa.
Cross-Reactivity:	Human, Mouse
Purification:	Peptide Affinity Purified

Target Details

Target:	ATG9B
Alternative Name:	ATG9B (ATG9B Products)

Target Details

Background: ATG9B is involved in autophagy and cytoplasm to vacuole transport (Cvt) vesicle formation. Plays a key role in the organization of the preautophagosomal structure/phagophore assembly site (PAS), the nucleating site for formation of the sequestering vesicle. Highly expressed in the placenta and the pituitary gland.

Gene ID: 285973

NCBI Accession: [NP_001303985](#)

UniProt: [Q674R7](#)

Application Details

Application Notes:

- WB (1:1000)
- ICC/IF (1:100)
- optimal dilutions for assays should be determined by the user.

Comment: A 1:1000 dilution of ABIN5066222 was sufficient for detection of ATG9B in 15 µg of Human HeLa Cell Lysates by ECL immunoblot analysis using goat anti-rabbit IgG:HRP as the secondary antibody.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

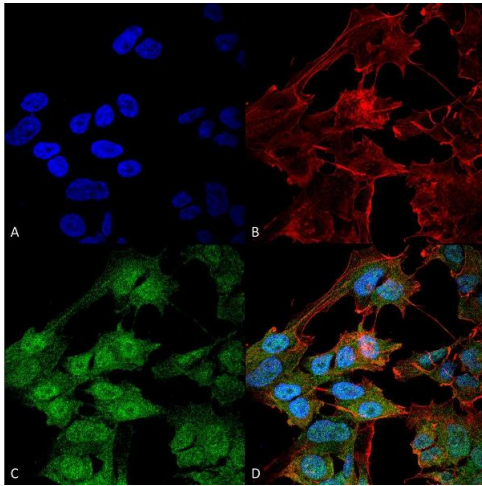
Buffer: PBS, 50 % glycerol, 0.09 % sodium azide, Storage buffer may change when conjugated

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

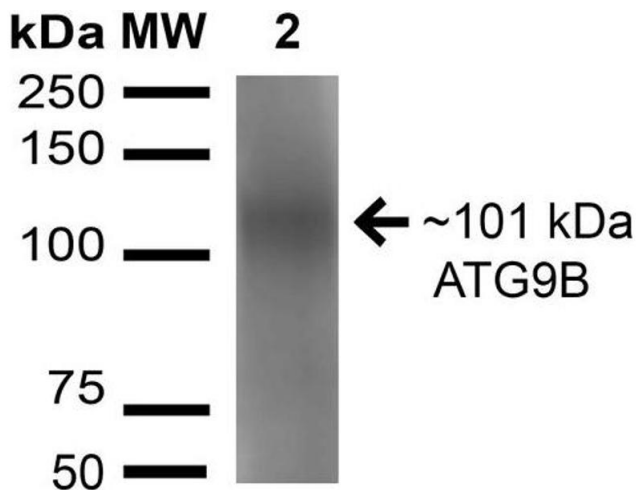
Storage: 4 °C

Storage Comment: Conjugated antibodies should be stored at 4°C



Immunofluorescence (fixed cells)

Image 1. Immunocytochemistry/Immunofluorescence analysis using Rabbit Anti-ATG9B Polyclonal Antibody . Tissue: Neuroblastoma cell line (SK-N-BE). Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Rabbit Anti-ATG9B Polyclonal Antibody at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Mouse ATTO 488 at 1:200 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000, 1:5000 for 60 min at RT, 5 min at RT. Localization: Cytoplasmic Vesicle, Autophagosome Membrane, Multi-Pass Membrane Protein. Magnification: 60X. (A) DAPI (blue) nuclear stain (B) Phalloidin Texas Red F-Actin stain (C) ATG9B Antibody (D) Composite.



Western Blotting

Image 2. Western blot analysis of Rat Brain cell lysates showing detection of 101 kDa ATG9B protein using Rabbit Anti-ATG9B Polyclonal Antibody . Lane 1: Molecular Weight Ladder (MW). Lane 2: Rat Brain cell lysates. Load: 15 µg . Primary Antibody: Rabbit Anti-ATG9B Polyclonal Antibody at 1:1000 for 16 hours at 4°C. Secondary Antibody: Goat Anti-Rabbit IgG: HRP at 1:2000 for 60 min at RT. Color Development: ECL solution for 6 min in RT. Predicted/Observed Size: 101 kDa.