

**ATG9B Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP13649b****Specification**

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**ATG9B Antibody (C-term) - Product Information**

Application	IHC-P, WB,E
Primary Accession	<a href="#">Q674R7</a>
Other Accession	<a href="#">NP_775952.4</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	101019
Antigen Region	892-921

**ATG9B Antibody (C-term) - Additional Information****Gene ID** 285973**Other Names**

Autophagy-related protein 9B, APG9-like 2, Nitric oxide synthase 3-overlapping antisense gene protein, Protein sONE, ATG9B, APG9L2, NOS3AS

**Target/Specificity**

This ATG9B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 892-921 amino acids from the C-terminal region of human ATG9B.

**Dilution**

IHC-P~~1:10~50

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

ATG9B Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**ATG9B Antibody (C-term) - Protein Information****Name** ATG9B

**Function** Phospholipid scramblase involved in autophagy by mediating autophagosomal membrane expansion. Cycles between the preautophagosomal structure/phagophore assembly site (PAS) and the cytoplasmic vesicle pool and supplies membrane for the growing autophagosome. Lipid scramblase activity plays a key role in preautophagosomal structure/phagophore assembly by distributing the phospholipids that arrive through ATG2 (ATG2A or ATG2B) from the cytoplasmic to the luminal leaflet of the bilayer, thereby driving autophagosomal membrane expansion (By similarity). In addition to autophagy, also plays a role in necrotic cell death (By similarity).

#### Cellular Location

Preautophagosomal structure membrane; Multi-pass membrane protein. Note=Under amino acid starvation or rapamycin treatment, redistributes from a juxtanuclear clustered pool to a dispersed peripheral cytosolic pool (PubMed:18936157). The starvation-induced redistribution depends on ULK1 and ATG13 (PubMed:18936157).

#### Tissue Location

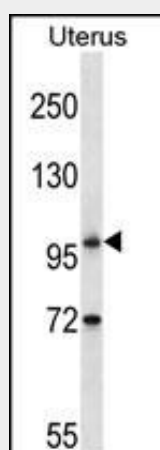
Highly expressed in placenta (trophoblast cells) and pituitary gland. Not expressed in vascular endothelial

### ATG9B Antibody (C-term) - Protocols

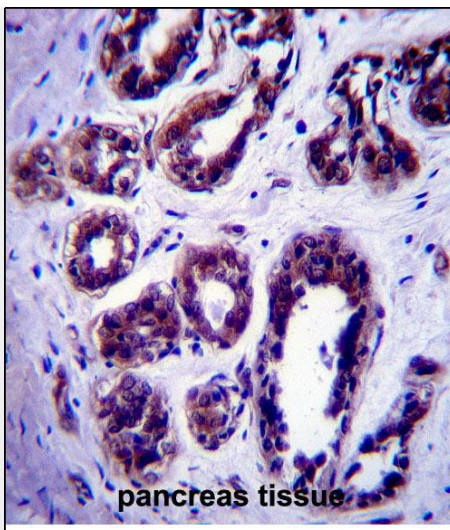
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### ATG9B Antibody (C-term) - Images



ATG9B Antibody (C-term) (Cat. #AP13649b) western blot analysis in human normal Uterus tissue lysates (35ug/lane). This demonstrates the ATG9B antibody detected the ATG9B protein (arrow).



ATG9B Antibody (C-term) (Cat. #AP13649b) immunohistochemistry analysis in formalin fixed and paraffin embedded human pancreas tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of ATG9B Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

#### **ATG9B Antibody (C-term) - Background**

ATG9B plays a role in autophagy (By similarity).

#### **ATG9B Antibody (C-term) - References**

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Han, S., et al. Hum. Immunol. 71(7):727-730(2010) Rajaraman, P., et al. Cancer Epidemiol. Biomarkers Prev. 19(5):1356-1361(2010) Webber, J.L., et al. FEBS Lett. 584(7):1319-1326(2010) Ban, H.J., et al. BMC Genet. 11, 26 (2010) :