

## Rabbit ATG9B Polyclonal Antibody | anti-ATG9B antibody

ATG9B Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                                 |
|-----------|--------|-------------------|--------------------------------------------------------------|
| AAA39848  | Rabbit | Human, Mouse, Rat | Immunofluorescence, Immunocytochemistry, Western Blot, ELISA |

### PRODUCT SYNONYMS

ATG9B; Polyclonal Antibody; ATG9B Antibody; SONE; APG9L2; NOS3AS; Autophagy-related protein 9B; APG9-like 2; Protein sONE; ATG9 autophagy related 9 homolog B (S. cerevisiae); anti-ATG9B antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                             |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                                                      |
| Reactivity                                      | Human, Mouse, Rat                                                                                                                                                                                                                                           |
| Clonality                                       | Polyclonal                                                                                                                                                                                                                                                  |
| Isotype                                         | IgG                                                                                                                                                                                                                                                         |
| Purity/Purification                             | ATG9B Antibody is affinity chromatography purified via peptide column.                                                                                                                                                                                      |
| Form/Format                                     | Liquid                                                                                                                                                                                                                                                      |
| Concentration                                   | 1 mg/mL (varies by lot)                                                                                                                                                                                                                                     |
| Sequence Length                                 | 924                                                                                                                                                                                                                                                         |
| Applicable Applications for anti-ATG9B antibody | IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA                                                                                                                                                                                |
| Conjugate                                       | Unconjugated                                                                                                                                                                                                                                                |
| Immunogen                                       | ATG9B antibody was raised against a 17 amino acid synthetic peptide near the carboxy terminus of human ATG9B.                                                                                                                                               |
| Buffer                                          | ATG9B Antibody is supplied in PBS containing 0.02% sodium azide.                                                                                                                                                                                            |
| Preparation and Storage                         | ATG9B antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures. |

### IMAGES



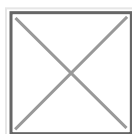
#### IF (Immunofluorescence)

Immunofluorescence of ATG9B in HeLa cells with ATG9B antibody at 20 &#956;g/mL.



#### ICC (Immunocytochemistry)

Immunocytochemistry of ATG9B in HeLa cells with ATG9B antibody at 10 &#956;g/mL.



#### WB (Western Blot)

Western blot analysis of ATG9B in HeLa cell lysate with ATG9B antibody at (A) 1 and (B) 2 &#956;g/mL.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| Related Product Information for anti-ATG9B antibody | ATG9B Antibody: Autophagy, the process of bulk degradation of cellular proteins through an autophagosomic-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. ATG9B plays a role in autophagy and it's highly expressed in placenta and pituitary gland. |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                    |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 239582720                                                                                                                                                                                                          |
| NCBI GeneID                      | 285973                                                                                                                                                                                                             |
| NCBI Accession #                 | NP_775952                                                                                                                                                                                                          |
| NCBI GenBank Nucleotide #        | NM_173681.5                                                                                                                                                                                                        |
| UniProt Accession #              | Q674R7; Q6JRW5; Q8N8I8; A1A5D3                                                                                                                                                                                     |
| Molecular Weight                 | 36,989 Da                                                                                                                                                                                                          |
| NCBI Official Full Name          | autophagy-related protein 9B                                                                                                                                                                                       |
| NCBI Official Synonym Full Names | autophagy related 9B                                                                                                                                                                                               |
| NCBI Official Symbol             | ATG9B                                                                                                                                                                                                              |
| NCBI Official Synonym Symbols    | SONE; APG9L2; NOS3AS                                                                                                                                                                                               |
| NCBI Protein Information         | autophagy-related protein 9B; APG9-like 2; autophagy 9-like 2 protein; ATG9 autophagy related 9 homolog B; endothelial nitric oxide synthase antisense; nitric oxide synthase 3-overlapping antisense gene protein |
| UniProt Protein Name             | Autophagy-related protein 9B                                                                                                                                                                                       |
| UniProt Gene Name                | ATG9B                                                                                                                                                                                                              |
| UniProt Synonym Gene Names       | APG9L2; NOS3AS; Protein sONE                                                                                                                                                                                       |
| UniProt Entry Name               | ATG9B_HUMAN                                                                                                                                                                                                        |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.