



ATG9B Polyclonal Antibody

Catalog No	BYab-22987
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	ATG9B APG9L2 NOS3AS
Protein Name	Autophagy-related protein 9B (APG9-like 2) (Nitric oxide synthase 3-overlapping antisense gene protein) (Protein sONE)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	ATG9B Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	101kD
Cell Pathway	Preautophagosomal structure membrane ; Multi-pass membrane protein . Under amino acid starvation or rapamycin treatment, redistributes from a juxtannuclear clustered pool to a dispersed peripheral cytosolic pool (PubMed:18936157). The starvation-induced redistribution depends on ULK1 and ATG13 (PubMed:18936157). .
Tissue Specificity	Highly expressed in placenta (trophoblast cells) and pituitary gland. Not expressed in vascular endothelial.
Function	function:Plays a role in autophagy.,induction:By hypoxia, leading to inhibit NOS3 expression.,miscellaneous:ATG9B gene is located on the opposite DNA strand of the NOS3 gene at chromosome 7q36. The genes are oriented in a tail-to-tail configuration and the mRNAs encoding ATG9B and NOS3 are complementary for 662 nucleotides. ATG9B transcription may a role in NOS3 transcription regulation.,similarity:Belongs to the ATG9 family.,tissue specificity:Highly expressed in placenta (trophoblast cells) and pituitary gland. Not expressed in vascular endothelial.,

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Background	This gene functions in the regulation of autophagy, a lysosomal degradation pathway. This gene also functions as an antisense transcript in the posttranscriptional regulation of the endothelial nitric oxide synthase 3 gene, which has 3' overlap with this gene on the opposite strand. Mutations in this gene and disruption of the autophagy process have been associated with multiple cancers. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2012],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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