ARG59749
anti-ATG9B antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes ATG9B
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ATG9B
Species	Human
Immunogen	A 17 amino acid peptide within aa. 850 - 900 of Human ATG9B.
Conjugation	Un-conjugated
Alternate Names	APG9-like 2; SONE; NOS3AS; Autophagy-related protein 9B; Protein sONE; APG9L2; Nitric oxide synthase 3-overlapping antisense gene protein

Application Instructions

Application table

Application	Dilution
ICC/IF	10 - 20 µg/ml
WB	1 - 2 µg/ml

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Positive Control: HeLa

Properties

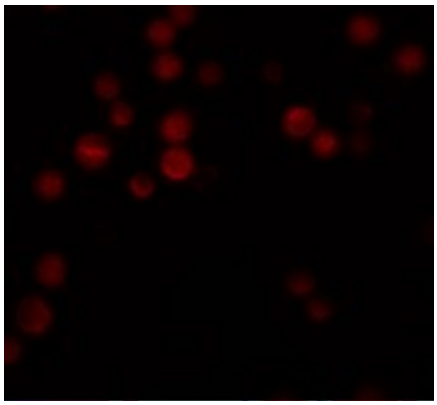
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS and 0.02% Sodium azide
Preservative	0.02% Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

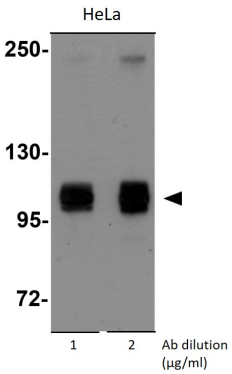
Gene Symbol	ATG9B
Gene Full Name	autophagy related 9B
Background	This gene functions in the regulation of autophagy, a lysosomal degradation pathway. This gene also functions as an antisense transcript in the posttranscriptional regulation of the endothelial nitric oxide synthase 3 gene, which has 3' 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]
Function	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 (By similarity). [UniProt]
Calculated Mw	101 kDa
Cellular Localization	Cytoplasmic vesicle, autophagosome 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. The starvation-induced redistribution depends on ULK1 and ATG13. [UniProt]

Images



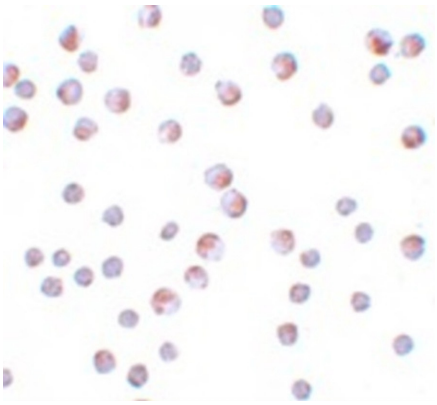
ARG59749 anti-ATG9B antibody ICC/IF image

Immunofluorescence: HeLa cells stained with ARG59749 anti-ATG9B antibody at 20 µg/ml dilution.



ARG59749 anti-ATG9B antibody WB image

Western blot: HeLa cell lysate stained with ARG59749 anti-ATG9B antibody at 1 and 2 µg/ml dilution.



ARG59749 anti-ATG9B antibody ICC image

Immunocytochemistry: HeLa cells stained with ARG59749 anti-ATG9B antibody at 10 µg/ml dilution.