

ATG9A polyclonal antibody

Catalog: BS78653

Host: Rabbit

Reactivity: Human

BackGround:

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. Also required to supply phosphatidylinositol 4-phosphate to the autophagosome initiation site by recruiting the phosphatidylinositol 4-kinase beta (PI4KB in a process dependent on ARFIP2, but not ARFIP1. In addition to autophagy, also plays a role in necrotic cell death (By similarity.

Product:

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

100KDa

Swiss-Prot:

Q7Z3C6

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

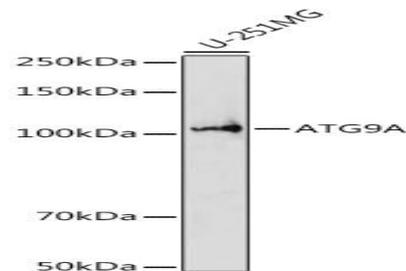
WB, 1:1000 - 1:2000|IF/ICC, 1:50 - 1:200

Storage&Stability:

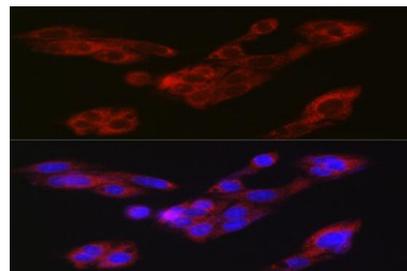
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Modification:

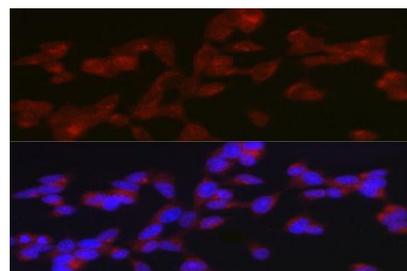
Unmodification

DATA:

Western blot analysis of extracts of U-251MG cells, using ATG9A antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 30s.



Immunofluorescence analysis of HepG2 cells using ATG9A Rabbit pAb at dilution of 1:150. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of SH-SY5Y cells using ATG9A Rabbit pAb at dilution of 1:150. Blue: DAPI for nuclear staining.

Note:

For research use only, not for use in diagnostic procedure.

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