ATP9A polyclonal antibody

Catalog: BS35298 Host: Rabbit Reactivity: Human, Mouse

BackGround:

Probable phospholipid-transporting ATPase IIA: Plays a role in regulating membrane trafficking of cargo proteins, namely endosome to plasma membrane recycling, probably acting through RAB5 and RAB11 activation . Also involved in endosome to trans-Golgi network retrograde transport . In complex with MON2 and DOP1B, regulates SNX3 retromer-mediated endosomal sorting of WLS, a transporter of Wnt morphogens in developing tissues. Participates in the formation of endosomal carriers that direct WLS trafficking back to Golgi, away from lysosomal degradation . Appears to be implicated in intercellular communication by negatively regulating the release of exosomes . The flippase activity towards membrane lipids and its role in membrane asymmetry remains to be proved . Required for the maintenance of neurite morphology and synaptic transmission (By similarity)

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~119 kDa

Swiss-Prot:

O75110

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

Storage&Stability:

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

Specificity:

Recognizes endogenous levels of ATP9A protein

DATA:

Western blot analysis of Karyopherin alpha-3 expression in Jurkat (A), A549 (B), Hela (C) whole cell lysates.

Immunohistochemical analysis of Karyopherin alpha-3 staining in human esophageal cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Note:

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

Bioworld Technology, Inc.
Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416,USA.
Email: info@bioworlde.com
Tel: 6123263284
Fax: 6122933841

Bioworld technology, co. Ltd.
Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.
Email: info@biogot.com
Tel: 0086-025-68037686
Fax: 0086-025-68035151