



PRODUCT DATA SHEET

Bioworld Technology, Inc.

VPS13B polyclonal antibody

Catalog: BS34091

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

Intermembrane lipid transfer protein VPS13B: Mediates the transfer of lipids between membranes at organelle contact sites (By similarity). Binds phosphatidylinositol 3-phosphate (By similarity). Functions as a tethering factor in the slow endocytic recycling pathway, to assist traffic between early and recycling endosomes. Involved in the transport of proacrosomal vesicles to the nuclear dense lamina (NDL) during spermatid development (By similarity). Plays a role in the assembly of the Golgi apparatus, possibly by mediating trafficking to the Golgi membrane. Plays a role in the development of the nervous system, and may be required for neuron projection development. May also play a role during adipose tissue development. Required for maintenance of the ocular lens (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:

~449 kDa

Swiss-Prot:

Q7Z7G8

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of VPS13B protein

DATA:

Western blot analysis of NRAS expression in Jurkat (A) whole cell lysates.

Immunohistochemical analysis of NRAS staining in human colon 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.

Immunofluorescent analysis of NRAS staining in Jurkat cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Note:

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

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