



PRODUCT DATA SHEET

Bioworld Technology, Inc.

PDZD8 polyclonal antibody

Catalog: BS35027

Host: Rabbit

Reactivity: Human

BackGround:

PDZ domain-containing protein 8: Lipid transfer and molecular tethering protein, which plays a key role in the formation of membrane contact sites between the endoplasmic reticulum and other organelles, such as late endosomes/lysosomes and mitochondria. Facilitates the exchange of lipids at membrane contact sites between the endoplasmic reticulum and organelles by mediating the transport of lipids, such as ceramide, cholesterol and phosphatidylserine. Also acts as a molecular glue by undergoing liquid-liquid phase separation, forming condensates that mediate stable adhesion between endoplasmic reticulum and surrounding organelles, connecting two distinct membrane-bound vesicles coupled together. Connects the endoplasmic reticulum to late endosomes/lysosomes, facilitating the exchange of lipids, which is crucial for membrane remodeling and processes, such as neurite outgrowth. PDZD8-dependent endoplasmic reticulum-...

Product:

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

Molecular Weight:

~129 kDa

Swiss-Prot:

Q8NEN9

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

matography.

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 PDZD8 protein

DATA:

Western blot analysis of Histone H2A (MonoMethyl-K118) expression in Jurkat (A) whole cell lysates.

Immunofluorescent analysis of Histone H2A (MonoMethyl-K118) 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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