



PRODUCT DATA SHEET

Bioworld Technology, Inc.

GPR137B polyclonal antibody

Catalog: BS33288

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

Integral membrane protein GPR137B: Lysosomal integral membrane protein that regulates the localization and activity of mTORC1, a signaling complex promoting cell growth in response to growth factors, energy levels, and amino acids. Interacts with Rag GTPases and increases the lysosomal localization and activity of Rag GTPases and thereby regulates mTORC1 translocation and activity in lysosome. Involved in the regulation of lysosomal morphology and autophagy.

Product:

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

Molecular Weight:

~45.6 kDa

Swiss-Prot:

O60478

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 GPR137B protein

DATA:

Western blot analysis of IFRD1 expression in Hela (A), Raji (B), mouse lung (C), rat brain (D) whole cell lysates.

Immunohistochemical analysis of IFRD1 staining in human lung 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.

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