

TMEM97 polyclonal antibody

Catalog: BS32598

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Sigma intracellular receptor 2: Sigma-2 receptor implicated in the regulation of multiple cellular processes, including cholesterol biosynthesis and trafficking, membrane trafficking, autophagy, lipid membrane-associated protein trafficking, and stabilization of receptors at the cell surface, thereby contributing to the maintenance of cellular homeostasis. Forms a ternary complex with PGRMC1 and LDLR at the plasma membrane, promoting LDLR-mediated internalization of LDL cholesterol. Reduces the availability of the lysosomal sterol transporter NPC1, likely through direct interaction, thereby regulating lipid transport, including cholesterol and LBPA, outside of late endosome/lysosome. Binds the regio- and stereoselective oxysterol 20(S)-hydroxycholesterol (20(S)-OHC). Ligand binding enhances association with NPC1 and modulates TMEM97-containing protein complexes involving PGRMC1 and TSPO, consistent with a role in...

Product:

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

Molecular Weight:

~20.8 kDa

Swiss-Prot:

Q5BJF2

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

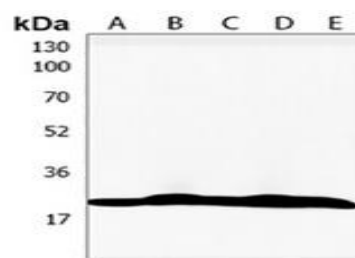
Storage&Stability:

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

Specificity:

Recognizes endogenous levels of TMEM97 protein.

DATA:



Western blot analysis of MSK1 expression in HEK293T (A), mouse brain (B) whole cell lysates.

Immunohistochemical analysis of MSK1 staining in human breast 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@bioworld.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