



PRODUCT DATA SHEET

Bioworld Technology, Inc.

TMEM120A polyclonal antibody

Catalog: BS31585

Host: Rabbit

Reactivity: Mouse

BackGround:

Transmembrane protein 120A: Multifunctional protein involved in mechanosensation, and plays an essential role in lipid metabolism and adipocyte differentiation. May function as a potential ion channel involved in sensing mechanical stimuli (By similarity). Mediates the mechanosensitivity of the PKD2-TMEM120A channel complex through direct physical interaction (By similarity). TMEM120A seems to affect mechanosensation by inhibiting PIEZO2 channels, possibly by altering cellular lipid content. TMEM120A is structurally similar to a lipid-modifying enzyme, ELOVL7, and contains a bound coenzyme A molecule, which suggests it might function as an enzyme in lipid metabolism.

Product:

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

Molecular Weight:

~40.8 kDa

Swiss-Prot:

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 TMEM120A protein.

DATA:



Western blot analysis of CD223 expression in Raji (A), Ramos (B), MOLT4 (C) whole cell lysates.

Flow cytometric analysis of Jurkat cells using Anti-CD223 Antibody (green) and negative control (red).

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