

**TMEM165 polyclonal antibody**

Catalog: BS35497

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Putative divalent cation:proton antiporter that exchanges calcium or manganese ions for protons across the Golgi membrane. Mediates the reversible transport of calcium or manganese to the Golgi lumen driven by the proton gradient and possibly the membrane potential generated by V-ATPase. Provides calcium or manganese cofactors to resident Golgi enzymes and contributes to the maintenance of an acidic luminal Golgi pH required for proper functioning of the secretory pathway (By similarity) . Promotes Ca(2+) storage within the Golgi lumen of the mammary epithelial cells to be then secreted into milk (By similarity). The transport mechanism and stoichiometry remains to be elucidated

Product:

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

Molecular Weight:

~34.9 kDa

Swiss-Prot:

Q9HC07

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000), IHC (1/50 - 1/200)

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 TMEM165 protein

DATA:

Western blot analysis of CD107a expression in A431 (A), Hela (B), Jurkat (C), HT1080 (D), COS7 (E) whole cell lysates.

Immunohistochemical analysis of CD107a staining in human kidney 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 CD107a staining in Hela 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 a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF555 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.

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