

**TMEM87A polyclonal antibody**

Catalog: BS34954

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

Golgi-pH regulating cation channel: Voltage- and pH-dependent, inwardly rectifying cation channel that mediates ion flux across the Golgi membrane, supporting luminal acidification necessary for normal Golgi morphology and function. Implicated in normal touch sensitivity through the generation of mechanically activated currents. Could also be involved in cell mechanosensitivity regulating cell adhesion and migration. May also be involved in retrograde transport from endosomes to the trans-Golgi network (TGN). Contributes to hippocampal spatial and contextual memory by maintaining Golgi function and structural integrity in hippocampal neurons (By similarity)

Product:

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

Molecular Weight:

~63.4 kDa

Swiss-Prot:

Q8NBN3

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 TMEM87A protein

DATA:

Western blot analysis of p53 (Acetyl-K382) expression in Jurkat treated with etoposide and TSA (A) whole cell lysates.

Immunofluorescent analysis of p53 (Acetyl-K382) staining in Jurkat treated with etoposide and TSA 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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