

**TMEM8A polyclonal antibody**

Catalog: BS33460

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

Post-GPI attachment to proteins factor 6: Involved in the lipid remodeling steps of GPI-anchor maturation. Lipid remodeling steps consist in the generation of 2 saturated fatty chains at the sn-2 position of GPI-anchor proteins (GPI-AP). Has phospholipase A2 activity that removes an acyl-chain at the sn-2 position of GPI-anchors during the remodeling of GPI. Required for the shedding of the GPI-AP CRIPTO, but not CFC1, at the cell surface. Shedding of CRIPTO modulates Nodal signaling by allowing soluble CRIPTO to act as a Nodal coreceptor on other cells. Also indirectly involved in the translocation of RAC1 from the cytosol to the plasma membrane by maintaining the steady state amount of CAV1-enriched plasma membrane subdomains, stabilizing RAC1 at the plasma membrane. In contrast to myomaker (TMEM8C), has no fusogenic activity

Product:

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

Molecular Weight:

~84.8 kDa

Swiss-Prot:

Q9HCN3

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 TMEM8A protein

DATA:

Western blot analysis of Topoisomerase 1 expression in HUVEC (A), Jurkat (B), MCF7 (C), PC12 (D) whole cell lysates.

Flow cytometric analysis of HeLa cells using Anti-Topoisomerase 1 Antibody. The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody at 37 °C for 60 min. The secondary antibody Goat Anti-Mouse IgG (H&L) - AF488 was incubated at 37 °C for 40 min. Isotype control antibody (blue line) was used under the same condition.

Note:

For research use only, not for use in diagnostic procedure.

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