

**TMEM41B polyclonal antibody**

Catalog: BS34533

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Transmembrane protein 41B: Phospholipid scramblase involved in lipid homeostasis and membrane dynamics processes. Has phospholipid scramblase activity toward cholesterol and phosphatidylserine, as well as phosphatidylethanolamine and phosphatidylcholine. Required for autophagosome formation: participates in early stages of autophagosome biogenesis at the endoplasmic reticulum (ER) membrane by reequilibrating the leaflets of the ER as lipids are extracted by ATG2 (ATG2A or ATG2B) to mediate autophagosome assembly. In addition to autophagy, involved in other processes in which phospholipid scramblase activity is required. Required for normal motor neuron development (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:

~32.5 kDa

Swiss-Prot:

Q5BJD5

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 TMEM41B protein

DATA:

Western blot analysis of MSK1 expression in BV2 (A), H9C2 (B), MCF7 (C), A549 (D) 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.

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