

**TMEM120A polyclonal antibody**

Catalog: BS34652

Host: Rabbit

Reactivity: Human, Mouse, Rat

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 . Mediates the mechanosensitivity of the PKD2-TMEM120A channel complex through direct physical interaction . TMEM120A seems to affect mechanosensation by inhibiting PIEZO2 channels, possibly by altering cellular lipid content (By similarity). 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 . Additionally, implicated in innate immune response against Zika virus. Acts as a key activator of the antiviral signaling involving STING1

Product:

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

Molecular Weight:

~40.6 kDa

Swiss-Prot:

Q9BXJ8

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:**Note:**

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

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