

OTOP1 polyclonal antibody

Catalog: BS31617

Host: Rabbit

Reactivity: Mouse

BackGround:

Proton channel OTOPI: Proton-selective ion channel . Biphasically modulated by acid and alkali, mediating proton influx and efflux in response to extracellular acid and base stimulation, respectively . Sour taste receptor, which carries inward currents in response to extracellular acidification . Sensor for ammonium chloride (NH₄Cl) in taste receptor cells. NH₄Cl acts by increasing the intracellular pH, thereby generating a driving force for proton entry through OTOPI channel . Might also participate in alkaline sensation . Plays a role in the regulation of Ca²⁺ flux in response to purigenic (ATP, ADP and UDP) stimuli, leading to increase in cytosolic Ca²⁺ due to influx of extracellular calcium . May play this role by inhibiting P2Y purinoceptor-mediated Ca²⁺ release in a Ca²⁺-dependent manner and promote an influx of Ca²⁺ in response to ATP . Through this mechanism and possibly others, plays...

Product:

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

Molecular Weight:

~65.8 kDa

Swiss-Prot:

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

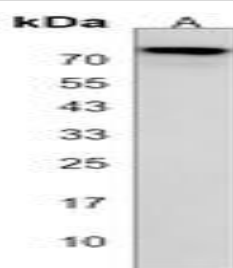
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of OTOPI protein.

DATA:



Western blot analysis of PGAM1 expression in mouse liver (A), mouse kidney (B), rat kidney (C), rat brain (D), HEK293T (E), MDAMB231 (F) whole cell lysates.

Note:

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

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