



PRODUCT DATA SHEET

Bioworld Technology, Inc.

CALHM3 polyclonal antibody

Catalog: BS35633

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

Calcium homeostasis modulator protein 3: Pore-forming subunit of gustatory voltage-gated ion channels required for sensory perception of sweet, bitter and umami tastes. With CALHM1 forms a fast-activating voltage-gated ATP-release channel in type II taste bud cells, ATP acting as a neurotransmitter to activate afferent neural gustatory pathways. Acts both as a voltage-gated and calcium-activated ion channel: mediates neuronal excitability in response to membrane depolarization and low extracellular Ca^{2+} concentration. Has poor ion selectivity and forms a wide pore (around 14 Angstroms) that mediates permeation of small ions including Ca^{2+} , Na^{+} , K^{+} and Cl^{-} , as well as larger ions such as ATP(4-)

Product:

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

Molecular Weight:

~38.5 kDa

Swiss-Prot:

Q86XJ0

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 CALHM3 protein

DATA:

Western blot analysis of IL-1 beta expression in HUT78 (A), BV2 (B), RAW264.7 (C), mouse lung (D), rat lung (E) whole cell lysates.

Note:

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

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