

PKD2L1 polyclonal antibody

Catalog: BS31886

Host: Rabbit

Reactivity: Human

BackGround:

Polycystin-2-like protein 1: Homotetrameric, non-selective cation channel that is permeable to sodium, potassium, magnesium and calcium. Also forms functional heteromeric channels with PKD1, PKD1L1 and PKD1L3. Pore-forming subunit of a heterotetrameric, non-selective cation channel, formed by PKD1L2 and PKD1L3, that is permeable to sodium, potassium, magnesium and calcium and which may act as a sour taste receptor in gustatory cells; however, its contribution to sour taste perception is unclear in vivo and may be indirect. The homomeric and heteromeric channels formed by PKD1L2 and PKD1L3 are activated by low pH and Ca^{2+} , but opens only when the extracellular pH rises again and after the removal of acid stimulus. Pore-forming subunit of a calcium-permeant ion channel formed by PKD1L2 and PKD1L1 in primary cilia, where it controls cilium calcium concentration, without affecting cytoplasmic calcium concentration.

Product:

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

Molecular Weight:

~92.0 kDa

Swiss-Prot:

Q9P0L9

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

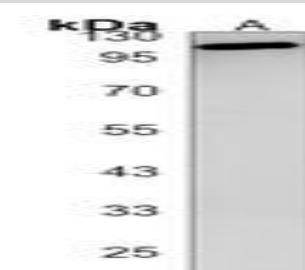
Storage&Stability:

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

Specificity:

Recognizes endogenous levels of PKD2L1 protein.

DATA:



Western blot analysis of Cytokeratin 10 expression in rat skin (A), mouse skin (B), CHOK1 (C) whole cell lysates.

Immunohistochemical analysis of Cytokeratin 10 staining in human tonsil 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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