



TMC8 polyclonal antibody

Catalog: BS35420

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Transmembrane channel-like protein 8: Acts as a regulatory protein involved in the regulation of numerous cellular processes. Together with its homolog TMC6/EVER1, forms a complex with calcium-binding protein CIB1 in lymphocytes and keratinocytes where TMC6 and TMC8 stabilize CIB1 levels and reciprocally. Together with TMC6, also forms a complex with and activates zinc transporter ZNT1 at the ER membrane of keratinocytes, thereby facilitating zinc uptake into the ER. Also inhibits receptor-mediated calcium release from ER stores and calcium activated and volume regulated chloride channels. Down-regulates the activity of transcription factors induced by zinc and cytokines. Also sequesters TRADD which impairs the recruitment of TRAF2 and RIPK1 in the pro-survival complex I and promotes proapoptotic complex II formation, and may therefore be involved in TNF-induced cell death/survival decisions

Product:

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

Molecular Weight:

~81.6 kDa

Swiss-Prot:

Q8IU68

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000), IHC (1/50 - 1/200), IF/ICC (1/50 - 1/200)

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 TMC8 protein

DATA:

Western blot analysis of PIGR expression in HEK293T (A), A549 (B), mouse liver (C), rat liver (D) whole cell lysates.

Immunohistochemical analysis of PIGR staining in human liver 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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