



PRODUCT DATA SHEET

Bioworld Technology, Inc.

TMEM65 polyclonal antibody

Catalog: BS34886

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

Transmembrane protein 65: Mitochondrial protein that plays a critical role in the sodium-dependent calcium efflux from mitochondrion. The precise role of TMEM65 in mitochondrial sodium/calcium exchange is however unclear: TMEM65 associates with the SLC8B1/NCLX antiporter and probably promotes the sodium/calcium exchange mediated by SLC8B1/NCLX. According to another report, TMEM65 functions as the mitochondrial sodium/calcium antiporter itself: homodimerization drives formation of a pocket capable of binding calcium. Essential for maintaining proper cardiac intercalated disk (ICD) structure and function as well as cardiac conduction velocity in the heart (By similarity). Its association with SCN1B is required for stabilizing the perinexus in the ICD and for localization of GJA1 and SCN5A to the ICD (By similarity)

Product:

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

Molecular Weight:

~25.5 kDa

Swiss-Prot:

Q6PI78

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 TMEM65 protein

DATA:

Western blot analysis of DIRAS3 expression in NIH3T3 (A), mouse liver (B), mouse brain (C), rat liver (D), rat kidney (E) whole cell lysates.

Note:

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

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