



PRODUCT DATA SHEET

Bioworld Technology, Inc.

KCNE3 polyclonal antibody

Catalog: BS33022

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Potassium voltage-gated channel subfamily E member 3: Ancillary protein that functions as a regulatory subunit of the voltage-gated potassium (Kv) channel complex composed of pore-forming and potassium-conducting alpha subunits and of regulatory beta subunits. KCNE3 beta subunit modulates the gating kinetics and enhances stability of the channel complex. Alters the gating of the delayed rectifier Kv channel containing KCNB1 alpha subunit. Associates with KCNC4/Kv3.4 alpha subunit to form the subthreshold Kv channel in skeletal muscle and to establish the resting membrane potential (RMP) in muscle cells. Association with KCNQ1/KCLQT1 alpha subunit may form the intestinal cAMP-stimulated potassium channel involved in chloride secretion that produces a current with nearly instantaneous activation with a linear current-voltage relationship (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:

~11.7 kDa

Swiss-Prot:

Q9Y6H6

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

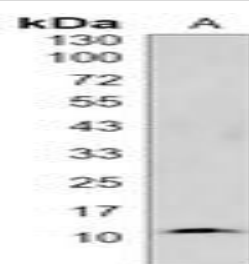
Storage&Stability:

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

Specificity:

Recognizes endogenous levels of KCNE3 protein

DATA:



Western blot analysis of KCNE3 expression in A431 (A), NIH3T3 (B) whole cell lysates.

Immunohistochemical analysis of KCNE3 staining in human lung 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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