



PRODUCT DATA SHEET

Bioworld Technology, Inc.

KCNK16 polyclonal antibody

Catalog: BS33021

Host: Rabbit

Reactivity: Human

BackGround:

Potassium channel subfamily K member 16: K(+) channel that conducts voltage-dependent outward rectifying currents upon membrane depolarization. Voltage sensing is coupled to K(+) electrochemical gradient in an 'ion flux gating' mode where outward but not inward ion flow opens the gate. Homo- and heterodimerizes to form functional channels with distinct regulatory and gating properties. In pancreatic islets, conducts K(+) countercurrents for Ca(2+) release from the endoplasmic reticulum (ER) and regulates the frequency and duration of cytosolic Ca(2+) oscillations coupled to secretion of pancreatic hormones. In pancreatic beta cells, drives ER Ca(2+) efflux, which in turn activates Ca(2+)-dependent plasma membrane K(+) slow currents and cytosolic Ca(2+) influx, overall contributing to synchronous cytosolic Ca(2+) oscillations. Limits glucose-induced cytosolic Ca(2+) oscillations coupled to second-phase INS secretion. Cont...

Product:

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

Molecular Weight:

~34.2 kDa

Swiss-Prot:

Q96T55

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 KCNK16 protein

DATA:

Note:

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

Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: info@bioworld.com

Tel: 6123263284

Fax: 6122933841

Bioworld technology, co. Ltd.

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: info@biogot.com

Tel: 0086-025-68037686

Fax: 0086-025-68035151