For Research Use Only

Kir2.1 Polyclonal antibody, PBS Only

Catalog Number:19965-1-PBS

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
19965-1-PBS

Concentration:
1 mg/ml

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_000891

GeneID (NCBI):
3759

UNIPROT ID:
P63252

Full Name:
potassium inwardly-rectifying channel, subfamily J, member 2

Calculated MW:
48 kDa

Observed MW:
50 kDa, 60 kDa

Purification Method:
Antigen affinity purification

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

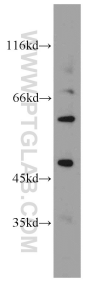
KCNJ2, also named as HHBIRK1, HHIRK1, IRK1, KIR2.1, LQT7 and SQT3, belongs to the inward rectifier-type potassium channel family. KCNJ2 probably participates in establishing action potential waveform and excitability of neuronal and muscle tissues. Inward rectifier potassium channels are characterized by a greater tendency to allow potassium to flow into the cell rather than out of it. Their voltage dependence is regulated by the concentration of extracellular potassium; as external potassium is raised, the voltage range of the channel opening shifts to more positive voltages. The inward rectification is mainly due to the blockage of outward current by internal magnesium. KCNJ2 can be blocked by extracellular barium or cesium. Defects in KCNJ2 are the cause of long QT syndrome type 7 (LQT7). Defects in KCNJ2 are the cause of short QT syndrome type 3 (SQT3). The antibody recognizes the C-term of KCNJ2.

Storage

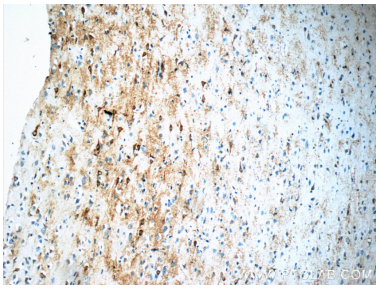
Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



A549 cells were subjected to SDS PAGE followed by western blot with 19965-1-AP (Kir2.1 antibody) at dilution of 1:200 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 19965-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 19965-1-AP (Kir2.1 antibody at dilution of 1:50. This data was developed using the same antibody clone with 19965-1-PBS in a different storage buffer formulation.