Nur für Forschungszwecke

Kir2.1 Polyklonaler Antikörper

Katalog-Nr.:19965-1-AP 6 Publikationen

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Antibodies | ELISA kits | Proteins
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Allgemeine Informationen

Katalog-Nr.:
19965-1-AP

Größe:
150ul , Konzentration: 700 μg/ml von Nanodrop und 327 μg/ml durch die Bradford-Methode mit BSA als Standard;

Wirt:
Kaninchen

Isotyp:
IgG

GenBank-Zugangsnummer:
NM_000891

GeneID (NCBI):
3759

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

Berechneté Masse:
48 kDa

Beobachteté Masse:
50 kDa, 60 kDa

Reinigungsmethode:
Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:
WB 1:200-1:1000
IHC 1:20-1:200

Anwendungen

Geprüfte Anwendungen:
IHC, WB,ELISA

In Publikationen genannte Anwendungen:
IHC, WB

Getestete Reaktivität:
Human, Maus, Ratte

Zitierte Arten:
Human, Kaninchen, Maus, Ratte

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB : A549-Zellen,

IHC : humanes Hirngewebe,

Hintergrundinformationen

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.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Juanjuan Du	32954646	J Cell Mol Med	WB
Zhan Li	28546098	J Mol Cell Cardiol	WB
Weiwei Yu	35729093	Nat Commun	WB

Lagerung

Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C lagerung

*** 20ul-Größen enthalten 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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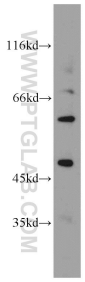
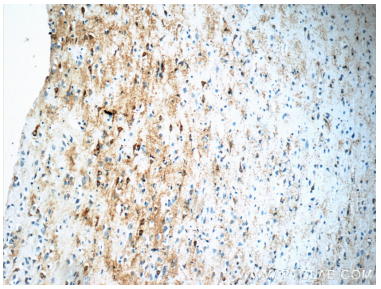
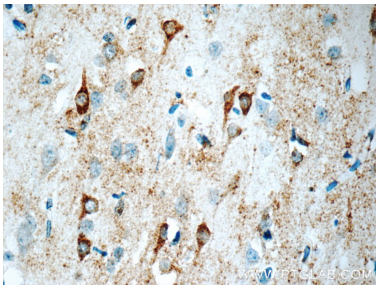
Ausgewählte Validierungsdaten



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.



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 19965-1-AP (Kir2.1 antibody at dilution of 1:50.



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 19965-1-AP (Kir2.1 antibody at dilution of 1:50.