

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-Kir2.1



Numéro de catalogue: 19965-1-AP

6 Publications

## Informations de base

Numéro de catalogue:  
19965-1-AP

Taille:  
150ul, Concentration: 700 µg/ml by Nanodrop and 327 µg/ml by Bradford method using BSA as the standard;

Hôte:  
Lapin

Isotype:  
IgG

Numéro d'acquisition GenBank:  
NM\_000891

Identification du gène (NCBI):  
3759

Nom complet:  
potassium inwardly-rectifying channel, subfamily J, member 2

MW calculé

48 kDa

MW observés:

50 kDa, 60 kDa

Méthode de purification:  
Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:200-1:1000

IHC 1:20-1:200

## Applications

Applications testées:  
IHC, WB, ELISA

Demandes citées:  
IHC, WB

Spécificité de l'espèce:  
Humain, rat, souris

Espèces citées:  
Humain, Lapin, rat, souris

Contrôles positifs:

WB : cellules A549,

IHC : tissu cérébral humain,

**Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (\*) À défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.**

## Informations générales

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.

## Publications notables

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

## Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

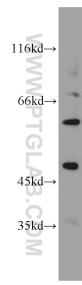
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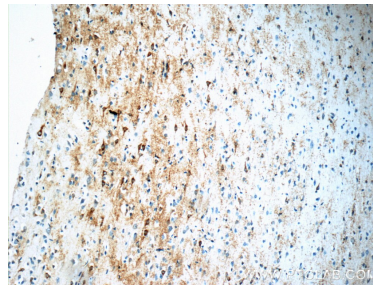
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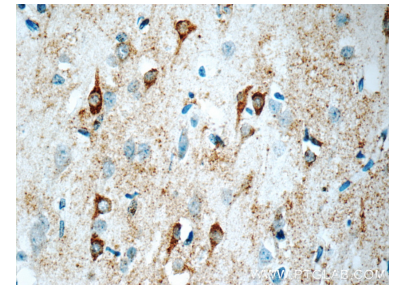
## Données de validation sélectionnées



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.