

Anti-Kir2.3 Antibody

Rabbit polyclonal antibody to Kir2.3

Catalog # AP61119

Product Information

Application	WB
Primary Accession	P48050
Other Accession	P52189
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	49500

Additional Information

Gene ID	3761
Other Names	IRK3; Inward rectifier potassium channel 4; HIRK2; HRK1; Hippocampal inward rectifier; HIR; Inward rectifier K(+) channel Kir2.3; IRK-3; Potassium channel inwardly rectifying subfamily J member 4
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Kir2.3. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	KCNJ4
Synonyms	IRK3
Function	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. Can be blocked by extracellular barium and cesium.
Cellular Location	Cell membrane {ECO:0000250 UniProtKB:P52189}; Multi-pass membrane protein. Postsynaptic cell membrane {ECO:0000250 UniProtKB:P52189};

Multi-pass membrane protein. Cytoplasmic vesicle membrane {ECO:0000250|UniProtKB:P52189}. Note=TAX1BP3 binding promotes dissociation of KCNJ4 from LIN7 family members and KCNJ4 internalization. {ECO:0000250|UniProtKB:P52189}

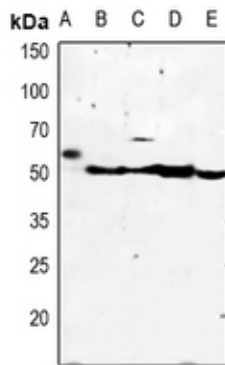
Tissue Location

Heart, skeletal muscle, and several different brain regions including the hippocampus

Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Kir2.3. The exact sequence is proprietary.

Images



Western blot analysis of Kir2.3 expression in HEK293T (A), Hela (B), mouse heart (C), mouse brain (D), rat brain (E) whole cell lysates.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.