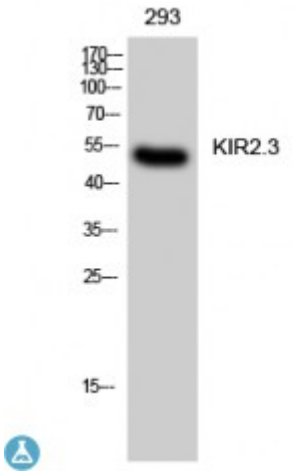
Anti-KIR2.3 antibody



Description	Rabbit polyclonal to KIR2.3.

Model	STJ93839
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human KIR2.3
Immunogen Region	220-300 aa, Internal
Gene ID	3761
Gene Symbol	KCNJ4
Dilution range	WB 1:500-1:2000ELISA 1:40000
Specificity	KIR2.3 Polyclonal Antibody detects endogenous levels of KIR2.3 protein.
Tissue Specificity	Heart, skeletal muscle, and several different brain regions including the hippocampus.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	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
Molecular Weight	50 kDa

Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:6265OMIM:600504
Alternative Names	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
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 .
Sequence and Domain Family	The Val/Gly/Ala/Pro stretch may have a functional role in the conductance or permeation properties.
Cellular Localization	Cell membrane. Multi-pass membrane protein. Cell junction, synapse, postsynaptic cell membrane Cytoplasmic vesicle membrane. TAX1BP3 binding promotes dissociation of KCNJ4 from LIN7 famaly members and KCNJ4 internalization.