

Mouse anti-Human KCNJ5/Kir3.4/GIRK4 Monoclonal Antibody | anti-KCNJ5/Kir3.4/GIRK4 antibody

Anti-KCNJ5/Kir3.4/GIRK4 Antibody (clone 8D2)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA162334	Mouse	Human	Western Blot, Immunohistochemistry, ELISA

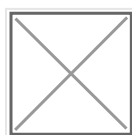
PRODUCT SYNONYMS

KCNJ5/Kir3.4/GIRK4; Monoclonal Antibody; Anti-KCNJ5/Kir3.4/GIRK4 Antibody (clone 8D2); Rabbit Polyclonal (IgG) to Human KCNJ5/Kir3.4/GIRK4; KCNJ5; CIR; GIRK-4; KATP1; Heart KATP channel; IRK-4; KATP-1; KIR3.4; LQT13; Cardiac inward rectifier; GIRK4; anti-KCNJ5/Kir3.4/GIRK4 antibody

PRODUCT SPECIFICATIONS

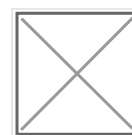
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a, k
Clone Number	8D2
Specificity	Human KCNJ5/Kir3.4/GIRK4
Purity/Purification	Purified from ascites by Protein A
Form/Format	PBS, pH 7.4.
Sequence Length	419
Applicable Applications for anti-KCNJ5/Kir3.4/GIRK4 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Immunogen	KCNJ5 (NP_000881.3, aa321-419 partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C or lower. Aliquot to avoid repeated freezing and thawing.

IMAGES



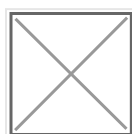
ELISA

Detection limit for recombinant GST tagged KCNJ5 is 0.03 ng/ml as a capture antibody.



WB (Western Blot)

KCNJ5 monoclonal antibody (M01), clone 8D2. Western Blot analysis of KCNJ5 expression in K-562.



IHC (Immunohistochemistry)

Human Adrenal: Formalin-Fixed, Paraffin-Embedded (FFPE)

ADDITIONAL INFORMATION

Related Product Information for anti-KCNJ5/Kir3.4/GIRK4 antibody	This potassium channel is controlled by G proteins. Inward rectifierpotassium channels are characterized by a greater tendency to allowpotassium to flow into the cell rather than out of it. their voltagedependence is regulated by the concentration of extracellular potassium; as external potassium is raised, the voltage range of the channelopening shifts to more positive voltages. the inward rectification ismainly due to the blockage of outward current by internal magnesium.
Product Categories/Family for anti-KCNJ5/Kir3.4/GIRK4 antibody	Ion Channel ; Potassium channel - inward-rectifying

NCBI AND UNIPROT INFORMATION

NCBI GI #	24797141
NCBI GeneID	3762
NCBI Accession #	NP_000881.3
NCBI GenBank Nucleotide #	NM_000890.4
UniProt Accession #	P48544 ; Q6DK13 ; Q6DK14 ; Q92807 ; B2R744
Molecular Weight	47,668 Da
NCBI Official Full Name	G protein-activated inward rectifier potassium channel 4
NCBI Official Synonym Full Names	potassium voltage-gated channel subfamily J member 5
NCBI Official Symbol	KCNJ5
NCBI Official Synonym Symbols	CIR; GIRK4; KATP1; LQT13; KIR3.4
NCBI Protein Information	G protein-activated inward rectifier potassium channel 4
UniProt Protein Name	G protein-activated inward rectifier potassium channel 4
UniProt Gene Name	KCNJ5
UniProt Synonym Gene Names	GIRK4; GIRK-4; CIR; IRK-4

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/kcnj5-kir34-girk4-antibody-clone-8d2-western-blot-immunohistochemistry-elisa/162334>