

Rabbit KCNJ2 Polyclonal Antibody | anti-KCNJ2 antibody

KCNJ2 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286597	Rabbit	Human, mouse (Predicted Reactivity: Bovine, Chicken, Pig, Rabbit, Rat)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

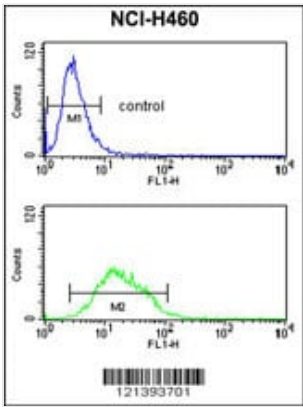
PRODUCT SYNONYMS

KCNJ2; Polyclonal Antibody; KCNJ2 Antibody (C-term); Inward rectifier potassium channel 2; Cardiac inward rectifier potassium channel; Inward rectifier K(+) channel Kir21; IRK-1; hIRK1; Potassium channel; inwardly rectifying subfamily J member 2; IRK1; anti-KCNJ2 antibody

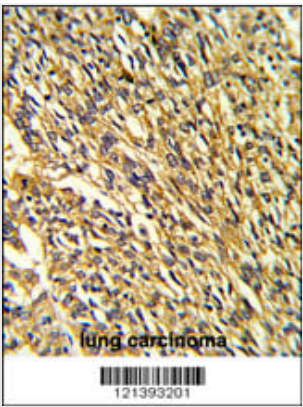
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Bovine, Chicken, Pig, Rabbit, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This KCNJ2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 401-427 amino acids from the C-terminal region of human KCNJ2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.48 (varies by lot)
Sequence Positions	401-427
Sequence Length	427
Applicable Applications for anti-KCNJ2 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

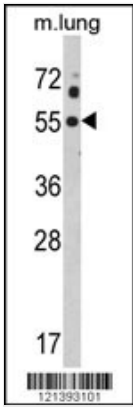
IMAGES



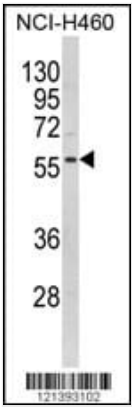
FCM/FACS (Flow Cytometry)
KCNJ2 Antibody (C-term) flow cytometry analysis of NCI-H460 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human lung carcinoma reacted with KCNJ2 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of KCNJ2 Antibody (C-term) in mouse lung tissue lysates (35ug/lane). KCNJ2 (arrow) was detected using the purified Pab.



WB (Western Blot)
Western blot analysis of KCNJ2 Antibody (C-term) in NCI-H460 cell line lysates (35ug/lane). KCNJ2 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-KCNJ2 antibody	Potassium channels are present in most mammalian cells, where they participate in a wide range of physiologic responses. This protein is an integral membrane protein and inward-rectifier type potassium channel. This protein, which has a greater tendency to allow potassium to flow into a cell rather than out of a cell, probably participates in establishing action potential waveform and excitability of neuronal and muscle tissues. Mutations in this gene have been associated with Andersen syndrome, which is racterized by periodic paralysis, cardiac arrhythmias, and dysmorphic features.
Product Categories/Family for anti-KCNJ2 antibody	Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504835
NCBI GeneID	3759
NCBI Accession #	NP_000882.1
NCBI GenBank Nucleotide #	NM_000891.2
UniProt Accession #	P63252; O15110; P48049
Molecular Weight	48288

NCBI Official Full Name	inward rectifier potassium channel 2
NCBI Official Synonym Full Names	potassium channel, inwardly rectifying subfamily J, member 2
NCBI Official Symbol	KCNJ2
NCBI Official Synonym Symbols	IRK1; LQT7; SQT3; ATFB9; HHIRK1; KIR2.1; HHBIRK1
NCBI Protein Information	inward rectifier potassium channel 2
UniProt Protein Name	Inward rectifier potassium channel 2
UniProt Gene Name	KCNJ2
UniProt Synonym Gene Names	IRK1; IRK-1; hIRK1
UniProt Entry Name	KCNJ2_HUMAN

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/polyclonal/kcnj2-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/286597>