

Rabbit KCNJ8 Polyclonal Antibody | anti-KCNJ8 antibody

KCNJ8 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289266	Rabbit	Human (Predicted Reactivity: Mouse, Rat)	Immunohistochemistry, ELISA, Western Blot

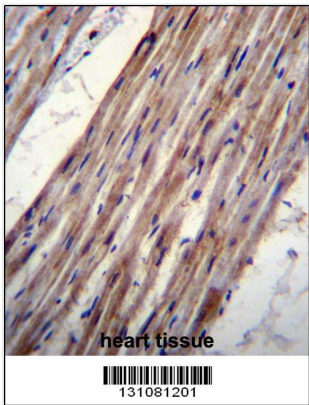
PRODUCT SYNONYMS

KCNJ8; Polyclonal Antibody; KCNJ8 Antibody (N-term); ATP-sensitive inward rectifier potassium channel 8; Inward rectifier K(+) channel Kir61; Potassium channel; inwardly rectifying subfamily J member 8; uKATP-1; anti-KCNJ8 antibody

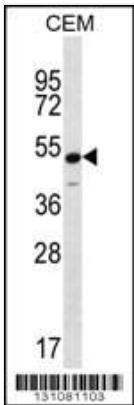
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This KCNJ8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 4-33 amino acids from the N-terminal region of human KCNJ8.
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.
Sequence Positions	4-33
Sequence Length	424
Applicable Applications for anti-KCNJ8 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Function	This potassium channel is controlled by G proteins. 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 external barium (By similarity).
Cellular Location	Membrane; Multi-pass membrane protein
Tissue Location	Predominantly detected in fetal and adult heart.
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
KCNJ8 Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human heart tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of KCNJ8 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
KCNJ8 Antibody (N-term) western blot analysis in CEM cell line lysates (35ug/lane). This demonstrates the KCNJ8 antibody detected the KCNJ8 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-KCNJ8 antibody	Potassium channels are present in most mammalian cells, where they participate in a wide range of physiologic responses. The protein encoded by this gene is an integral membrane protein and inward-rectifier type potassium channel. The encoded protein, which has a greater tendency to allow potassium to flow into a cell rather than out of a cell, is controlled by G-proteins. [provided by RefSeq].
Product Categories/Family for anti-KCNJ8 antibody	Cardiovascular; Metabolism; Neuroscience; Signal Transduction
References	Medeiros-Domingo, A., et al. Heart Rhythm 7(10):1466-1471(2010) Ellis, J.A., et al. Physiol. Genomics 40(3):184-188(2010) Shi, W., et al. J. Biol. Chem. 285(5):3021-3029(2010) Winkler, M., et al. J. Biol. Chem. 284(11):6752-6762(2009) Ploug, K.B., et al. Eur. J. Pharmacol. 601 (1-3), 43-49 (2008) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	4826802
NCBI GeneID	3764
NCBI Accession #	NP_004973.1
NCBI GenBank Nucleotide #	NM_004982.3
UniProt Accession #	Q15842; O00657
NCBI Official Full Name	ATP-sensitive inward rectifier potassium channel 8
NCBI Official Synonym Full Names	potassium channel, inwardly rectifying subfamily J, member 8
NCBI Official Symbol	KCNJ8
NCBI Official Synonym Symbols	KIR6.1; uKATP-1
NCBI Protein Information	ATP-sensitive inward rectifier potassium channel 8
UniProt Protein Name	ATP-sensitive inward rectifier potassium channel 8
UniProt Gene Name	KCNJ8

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://www.aaabiotech.com/polyclonal/kcnj8-antibody-immunohistochemistry-western-blot-elisa/289266>