

Rabbit anti-Human KCNJ8 Polyclonal Antibody | anti-KCNJ8 antibody

KCNJ8 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA234445	Rabbit	Human	Immunofluorescence, Immunohistochemistry, ELISA

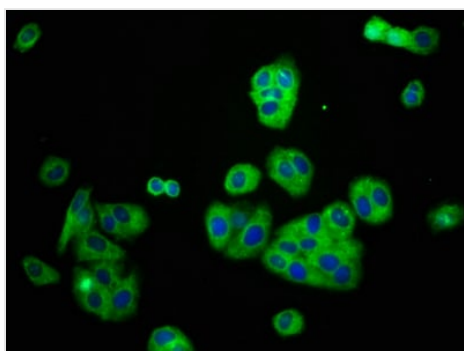
PRODUCT SYNONYMS

KCNJ8; Polyclonal Antibody; KCNJ8 Antibody; ATP-sensitive inward rectifier potassium channel 8; Inward rectifier K(+) channel Kir6.1; Potassium channel; inwardly rectifying subfamily J member 8; uKATP-1; anti-KCNJ8 antibody

PRODUCT SPECIFICATIONS

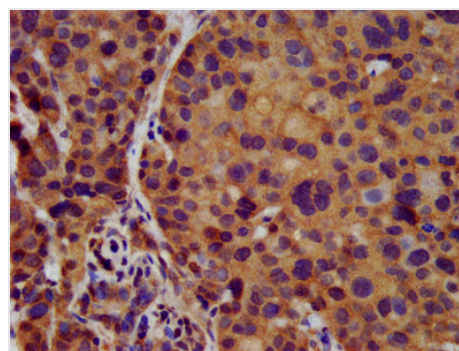
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	424
Applicable Applications for anti-KCNJ8 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human ATP-sensitive inward rectifier potassium channel 8 protein (299-424AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



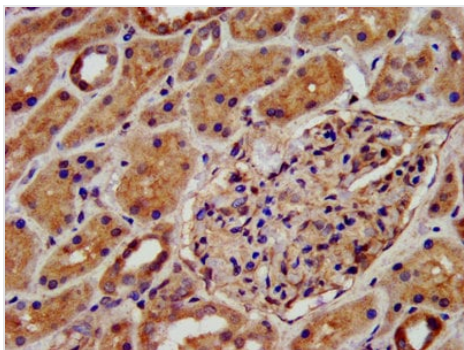
IHC (Immunohistochemistry)

Immunofluorescence staining of HepG2 cells with AAA234445 at 1:166, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



IHC (Immunohistochemistry)

IHC image of AAA234445 diluted at 1:500 and staining in paraffin-embedded human pancreatic cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



IHC (Immunohistochemistry)

IHC image of AAA234445 diluted at 1:500 and staining in paraffin-embedded human kidney tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

ADDITIONAL INFORMATION

Related Product Information for anti-KCNJ8 antibody

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).

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
Molecular Weight	47,968 Da
NCBI Official Full Name	ATP-sensitive inward rectifier potassium channel 8
NCBI Official Synonym Full Names	potassium voltage-gated channel 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-immunofluorescence-immunohistochemistry-elisa/234445>