

Rabbit KCNJ3 Polyclonal Antibody | anti-KCNJ3 antibody

KCNJ3 Polyclonal Antibody

CATALOG # AAA280884	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot
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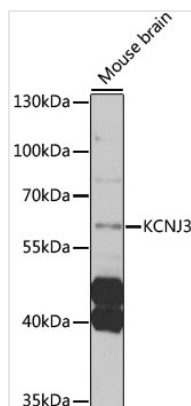
PRODUCT SYNONYMS

KCNJ3; Polyclonal Antibody; KCNJ3 Polyclonal Antibody; GIRK1; KGA; KIR3.1; anti-KCNJ3 antibody

PRODUCT SPECIFICATIONS

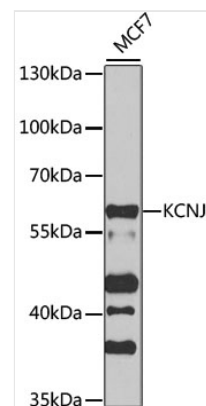
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Sequence Length	501
Applicable Applications for anti-KCNJ3 antibody	WB (Western Blot)
Immunogen	A synthetic peptide of human KCNJ3
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of extracts of mouse brain, using KCNJ3 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 10s.



WB (Western Blot)

Western blot analysis of extracts of MCF7 cells, using KCNJ3 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 20s.

ADDITIONAL INFORMATION

Related Product Information for anti-KCNJ3 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 and plays an important role in regulating heartbeat. It associates with three other G-protein-activated potassium channels to form a heteromultimeric pore-forming complex that also couples to neurotransmitter receptors in the brain and whereby channel activation can inhibit action potential firing by hyperpolarizing the plasma membrane. These multimeric G-protein-gated inwardly-rectifying potassium (GIRK) channels may play a role in the pathophysiology of epilepsy, addiction, Down's syndrome, ataxia, and Parkinson's disease. Alternative splicing results in multiple transcript variants encoding distinct proteins.
Product Categories/Family for anti-KCNJ3 antibody	Primary antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	1352482
NCBI GeneID	3760
UniProt Accession #	P48549; Q8TBI0; B4DEW7
Molecular Weight	57kDa
NCBI Official Full Name	G protein-activated inward rectifier potassium channel 1
NCBI Official Synonym Full Names	potassium voltage-gated channel subfamily J member 3
NCBI Official Symbol	KCNJ3
NCBI Official Synonym Symbols	KGA; GIRK1; KIR3.1
NCBI Protein Information	G protein-activated inward rectifier potassium channel 1
UniProt Protein Name	G protein-activated inward rectifier potassium channel 1
UniProt Gene Name	KCNJ3
UniProt Synonym Gene Names	GIRK1; GIRK-1

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.