

Rabbit Kir3.1 Polyclonal Antibody | anti-Kir3.1 antibody

Rabbit anti-Kir3.1 (pS185) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA223956	Rabbit	Human, Mouse, Rat, Bovine, Chicken, Monkey	Immunofluorescence, Immunohistochemistry, Western Blot

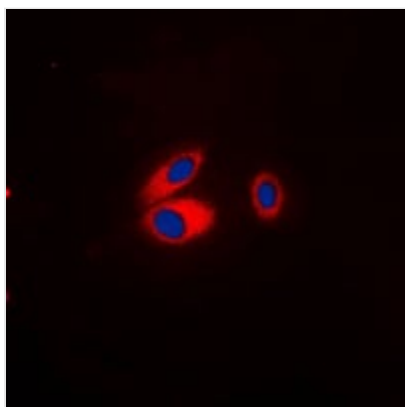
PRODUCT SYNONYMS

Kir3.1; Polyclonal Antibody; Rabbit anti-Kir3.1 (pS185) Antibody; GIRK1; G protein-activated inward rectifier potassium channel 1; GIRK-1; Inward rectifier K(+) channel Kir3.1; Potassium channel; inwardly rectifying subfamily J member 3; anti-Kir3.1 antibody

PRODUCT SPECIFICATIONS

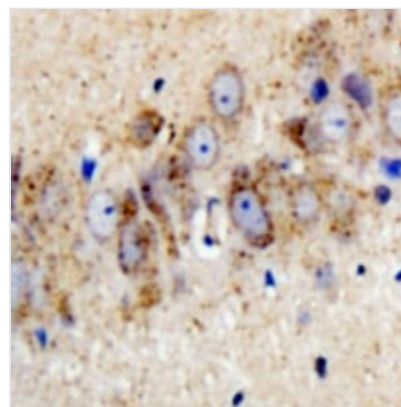
Host	Rabbit
Reactivity	Human, Mouse, Rat, Bovine, Chicken, Monkey
Clonality	Polyclonal
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-Kir3.1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Kir3.1. The exact sequence is proprietary.
Preparation and Storage	Store at -20 degree C. Avoid repeated freeze/thaw cycles.

IMAGES



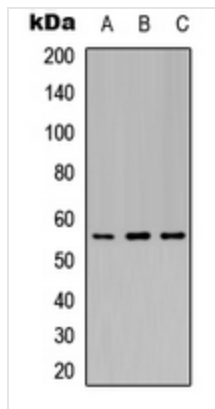
IF (Immunofluorescence)

Immunofluorescent analysis of Kir3.1 (pS185) staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



IHC (Immunohistochemistry)

Immunohistochemical analysis of Kir3.1 (pS185) staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



WB (Western Blot)
Western blot analysis of Kir3.1 (pS185) expression in A549 (A), Raw264.7 (B), COS7 (C) whole cell lysates.

ADDITIONAL INFORMATION

Product Categories/Family for anti-Kir3.1 antibody	Primary antibodies
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NCBI AND UNIPROT INFORMATION

NCBI GI #	386781846
NCBI GeneID	3760
NCBI Accession #	NP_001247437.1
NCBI GenBank Nucleotide #	NM_001260508.1
UniProt Accession #	P48549; P63250; P63251
Molecular Weight	56,603 Da
NCBI Official Full Name	G protein-activated inward rectifier potassium channel 1 isoform 2
NCBI Official Synonym Full Names	potassium inwardly-rectifying 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; GIRK-1; inward rectifier K+ channel KIR3.1; inward rectifier K(+) channel Kir3.1; potassium channel, inwardly rectifying subfamily J member 3; potassium inwardly-rectifying channel subfamily J memb
UniProt Protein Name	G protein-activated inward rectifier potassium channel 1
UniProt Gene Name	KCNJ3
UniProt Synonym Gene Names	GIRK1; GIRK-1
UniProt Entry Name	IRK3_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.