

Product datasheet

Anti-Kir2.2 antibody ab121905

1 Image

Overview

Product name	Anti-Kir2.2 antibody
Description	Rabbit polyclonal to Kir2.2
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human
Immunogen	antigen sequence: RCSAKDLVEN KLLPSANSF CYENELAFLS RDEEDEADGD QDGRSRDGLS PQARHDFDRL QAGGGVLEQR PYRRESEI, corresponding to amino acids 356-433 of Human Kir2.2 Run BLAST with ExPASy Run BLAST with NCBI
Positive control	Human kidney tissue.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 59% PBS, 40% Glycerol
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab121905** in the following tested applications.

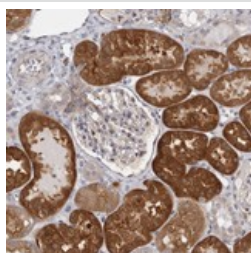
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/200 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

Function	Probably participates in establishing action potential waveform and excitability of neuronal and muscle tissues. 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 extracellular barium and cesium.
Sequence similarities	Belongs to the inward rectifier-type potassium channel (TC 1.A.2.1) family. KCNJ12 subfamily.
Cellular localization	Membrane.

Images



ab121905 at 1/300 dilution staining Kir2.2 in Paraffin-embedded Human Kidney tissue by Immunohistochemistry.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Kir2.2 antibody (ab121905)

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