

Datasheet for ABIN350388  
**anti-Kir2.2 antibody (Cytoplasmic Domain)**



[Go to Product page](#)

## Overview

Quantity:	500 µg
Target:	Kir2.2 (KCNJ12)
Binding Specificity:	Cytoplasmic Domain
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Kir2.2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Immunogen:	A synthetic peptide from the cytoplasmic domain of human KCNJ12 (KCNJN1, Kir2.2, IRK2) conjugated to an immunogenic carrier protein was used as the antigen.
Isotype:	IgG
Specificity:	Specific for KCNJ12.
Cross-Reactivity:	Human
Cross-Reactivity (Details):	Other species not yet tested.
Purification:	IgG

## Target Details

Target:	Kir2.2 (KCNJ12)
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## Target Details

Alternative Name: KCNJ12 ([KCNJ12 Products](#))

Background: 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. Tissue specificity: Heart, brain, placenta, lung, skeletal muscle, and kidney. Diffusely distributed throughout the brain. Subcellular location: Membrane, Multi-pass membrane protein., Inward Rectifier, ATP-sensitive inward rectifier potassium channel 12, Potassium channel, inwardly rectifying subfamily J member 12, Inward rectifier K(+) channel Kir2.2, Kir2.2v, IRK2, KCNJN1

UniProt: [Q14500](#)

## Application Details

Application Notes: IHC, WB. A concentration of 10-50 µg/ml is recommended. The optimal concentration should be determined by the end user. Not yet tested in other applications.

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Reconstitute in 500 µL of sterile water. Centrifuge to remove any insoluble material.

Handling Advice: Avoid freeze and thaw cycles.

Storage: 4 °C/-20 °C

Storage Comment: Maintain the lyophilised/reconstituted antibodies frozen at -20°C for long term storage and refrigerated at 2-8°C for a shorter term. When reconstituting, glycerol (1:1) may be added for an additional stability. Avoid freeze and thaw cycles.

Expiry Date: 12 months