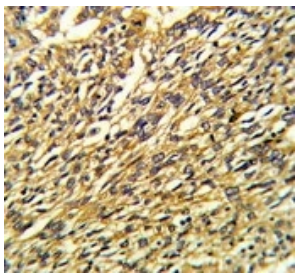
# KCNJ2 Antibody / Kir2.1 / Inward rectifier potassium channel 2 (F54901)

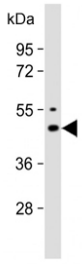
| Catalog No. | Formulation | Size |
|---|---|---|
| F54901-0.4ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.4 ml |
| F54901-0.08ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.08 ml |

**Bulk quote request**

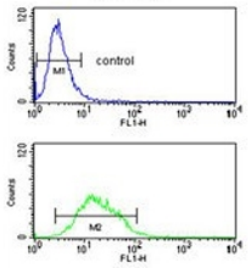
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit Ig |
| **Purity** | Antigen affinity purified |
| **UniProt** | P63252 |
| **Applications** | Flow cytometry: 1:25 (1x10e6 cells)<br>Immunohistochemistry (FFPE): 1:25<br>Western blot: 1:500-1:2000 |
| **Limitations** | This KCNJ2 antibody is available for research use only. |



IHC testing of FFPE human lung carcinoma tissue with KCNJ2 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.




Western blot testing of human brain lysate with KCNJ2 antibody. Predicted molecular weight ~48 kDa.




Flow cytometry testing of human NCI-H460 cells with KCNJ2 antibody; Blue=isotype control, Green= KCNJ2 antibody.

## Description

Potassium channels are present in most mammalian cells, where they participate in a wide range of physiologic responses. This protein is an integral membrane protein and inward-rectifier type potassium channel. This protein, which has a greater tendency to allow potassium to flow into a cell rather than out of a cell, probably participates in establishing action potential waveform and excitability of neuronal and muscle tissues. Mutations in this gene have been associated with Andersen syndrome, which is racterized by periodic paralysis, cardiac arrhythmias, and dysmorphic features.

## Application Notes

The stated application concentrations are suggested starting points. Titration of the KCNJ2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 401-427 from the human protein was used as the immunogen for the KCNJ2 antibody.

## Storage

Aliquot the KCNJ2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.


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