

Datasheet for ABIN5010026

**anti-KCNJ1 antibody (AA 301-391) (AbBy Fluor® 680)**[Go to Product page](#)

## Overview

|                      |                                                                                                                                |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                         |
| Target:              | KCNJ1                                                                                                                          |
| Binding Specificity: | AA 301-391                                                                                                                     |
| Reactivity:          | Rat                                                                                                                            |
| Host:                | Rabbit                                                                                                                         |
| Clonality:           | Polyclonal                                                                                                                     |
| Conjugate:           | This KCNJ1 antibody is conjugated to AbBy Fluor® 680                                                                           |
| Application:         | Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Flow Cytometry (FACS) |

## Product Details

|                       |                                                                 |
|-----------------------|-----------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human ROM-K/KCNJ1 |
| Isotype:              | IgG                                                             |
| Cross-Reactivity:     | Rat                                                             |
| Predicted Reactivity: | Human, Mouse, Dog, Cow, Pig, Horse, Rabbit                      |
| Purification:         | Purified by Protein A.                                          |

## Target Details

|                   |                                          |
|-------------------|------------------------------------------|
| Target:           | KCNJ1                                    |
| Alternative Name: | ROM-K ( <a href="#">KCNJ1 Products</a> ) |

## Target Details

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Background: | <p>Synonyms: ROM K, ROM-K, inwardly rectifying subfamily J member 1, ATP regulated potassium channel ROM K, ATP sensitive inward rectifier potassium channel 1, ATP-regulated potassium channel ROM-K, ATP-sensitive inward rectifier potassium channel 1, Inward rectifier K<sup>+</sup> channel Kir1.1, inwardly rectifying K<sup>+</sup> channel, IRK1_HUMAN, KCNJ 1, KCNJ, Kcnj1, Kir 1.1, Kir1.1, Potassium channel, Potassium channel inwardly rectifying subfamily J member 1, potassium inwardly-rectifying channel J1, ROMK 1, ROMK 2, ROMK, ROMK1, ROMK2.</p> <p>Background: 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. It is activated by internal ATP and probably plays an important role in potassium homeostasis. The encoded protein has a greater tendency to allow potassium to flow into a cell rather than out of a cell. Mutations in this gene have been associated with antenatal Bartter syndrome, which is characterized by salt wasting, hypokalemic alkalosis, hypercalciuria, and low blood pressure. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008].</p> |
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| Gene ID: | 3758 |
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## Application Details

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|--------------------|------------------------------------------------------------------------------|
| Application Notes: | FCM 1:20-100<br>IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>IF(ICC) 1:50-200 |
| Restrictions:      | For Research Use only                                                        |

## Handling

|                    |                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                             |
| Concentration:     | 1 µg/µL                                                                                                            |
| Buffer:            | Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.        |
| Preservative:      | ProClin                                                                                                            |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |

Handling

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|                  |                                                                                   |
|------------------|-----------------------------------------------------------------------------------|
| Storage:         | -20 °C                                                                            |
| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles. |
| Expiry Date:     | 12 months                                                                         |