

# Anti-KCNJ16 / Kir5.1 Antibody (aa376-428)

Rabbit Anti Human Polyclonal Antibody

Catalog # ALS17326

## Product Information

|                   |                        |
|-------------------|------------------------|
| Application       | WB, IHC-P, IF          |
| Primary Accession | <a href="#">Q9NPI9</a> |
| Predicted         | Human, Mouse, Rat      |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 47949                  |

## Additional Information

|                          |                                                                                                                             |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Gene ID                  | 3773                                                                                                                        |
| Alias Symbol             | KCNJ16                                                                                                                      |
| Other Names              | KCNJ16, BIR9, KIR5.1                                                                                                        |
| Target/Specificity       | Human KCNJ16 / Kir5.1                                                                                                       |
| Reconstitution & Storage | PBS, pH 7.2, 0.05% sodium azide Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.    |
| Precautions              | Anti-KCNJ16 / Kir5.1 Antibody (aa376-428) is for research use only and not for use in diagnostic or therapeutic procedures. |

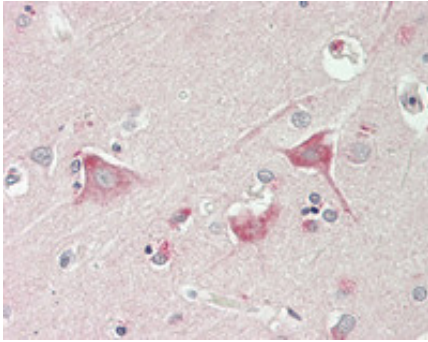
## Protein Information

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name              | KCNJ16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Function          | 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. KCNJ16 may be involved in the regulation of fluid and pH balance. In the kidney, together with KCNJ10, mediates basolateral K(+) recycling in distal tubules; this process is critical for Na(+) reabsorption at the tubules (PubMed: <a href="#">24561201</a> ). |
| Cellular Location | Membrane; Multi- pass membrane protein. Basolateral cell membrane. Note=In kidney distal convoluted tubules, located in the basolateral membrane in the presence of KCNJ10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Tissue Location   | Widely expressed, with highest levels in adult and fetal kidney (at protein level). In the kidney, expressed in the proximal and distal convoluted tubules,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

but not in glomeruli nor collecting ducts.

## Images

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Human Brain, Cortex: Formalin-Fixed, Paraffin-Embedded (FFPE)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.