

**KIR5.1 Polyclonal Antibody**  
**Catalog # AP70661****Specification**

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**KIR5.1 Polyclonal Antibody - Product Information**

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

**KIR5.1 Polyclonal Antibody - Additional Information****Gene ID** 3773**Other Names**

KCNJ16; Inward rectifier potassium channel 16; Inward rectifier K(+) channel Kir5.1; Potassium channel; inwardly rectifying subfamily J member 16

**Dilution**

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.  
IHC-P~~N/A  
IF~~1:50~200

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**KIR5.1 Polyclonal Antibody - 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="http://www.uniprot.org/citations/24561201" target="\_blank">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

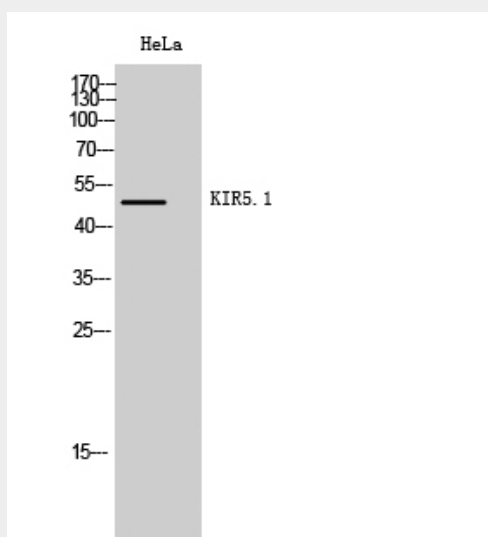
**Tissue Location**

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.

**KIR5.1 Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**KIR5.1 Polyclonal Antibody - Images**

Western Blot analysis of HeLa cells using KIR5.1 Polyclonal Antibody

**KIR5.1 Polyclonal Antibody - Background**

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