# KIR6.2 rabbit pAb

## Cat#: orb765551 (Manual)

For research use only. Not intended for diagnostic use.

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| **Product Name** | KIR6.2 rabbit pAb |
| **Host species** | Rabbit |
| **Applications** | WB;IHC;IF;ELISA |
| **Species Cross-Reactivity** | Human;Mouse;Rat |
| **Recommended dilutions** | 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. |
| **Immunogen** | The antiserum was produced against synthesized peptide derived from human Kir6.2. AA range:190-239 |
| **Specificity** | KIR6.2 Polyclonal Antibody detects endogenous levels of KIR6.2 protein. |
| **Formulation** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.. |
| **Storage** | Store at -20°C. Avoid repeated freeze-thaw cycles. |
| **Protein Name** | ATP-sensitive inward rectifier potassium channel 11 |
| **Gene Name** | KCNJ11 |
| **Cellular localization** | Membrane; Multi-pass membrane protein. |
| **Purification** | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Clonality** | Polyclonal |

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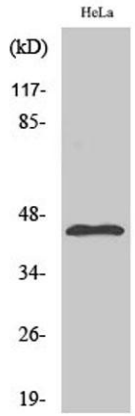
|---|---|
| **Concentration** | 1 mg/ml |
| **Observed band** | 40kD |
| **Human Gene ID** | 3767 |
| **Human Swiss-Prot Number** | Q14654 |
| **Alternative Names** | KCNJ11; ATP-sensitive inward rectifier potassium channel 11; IKATP; Inward rectifier K(+) channel Kir6.2; Potassium channel; inwardly rectifying subfamily J member 11 |
| **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. The encoded protein, which has a greater tendency to allow potassium to flow into a cell rather than out of a cell, is controlled by G-proteins and is found associated with the sulfonylurea receptor SUR. Mutations in this gene are a cause of familial persistent hyperinsulinemic hypoglycemia of infancy (PHHI), an autosomal recessive disorder characterized by unregulated insulin secretion. Defects in this gene may also contribute to autosomal dominant non-insulin-dependent diabetes mellitus type II (NIDDM), transient neonatal diabetes mellitus type 3 (TNDM3), and permanent neonatal diabetes mellitus (PNDM). Multiple alternatively spliced trans |




**Western Blot analysis of various cells using KIR6.2 Polyclonal Antibody diluted at 1:500**

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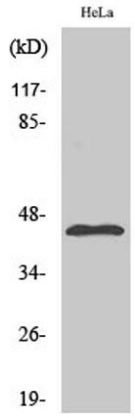
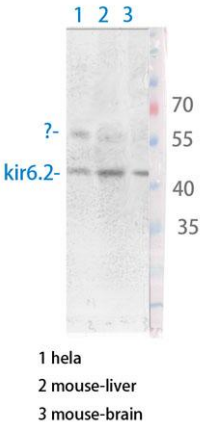
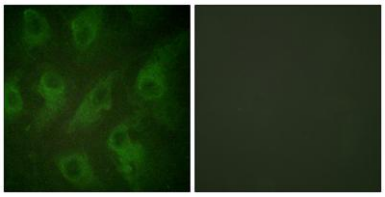



**Western Blot analysis of NIH-3T3 cells using KIR6.2 Polyclonal Antibody diluted at 1:500**




**Western Blot analysis of various cells using Antibody diluted at 1:1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000**



**Immunofluorescence analysis of HeLa cells, using Kir6.2 Antibody. The picture on the right is blocked with the synthesized peptide.**

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