

## KIR6.2 Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP04824
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human Kir6.2. AA range:190-239
<b>Mol wt</b>	43562
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, IHC-p, IF, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	KIR6.2 Antibody
<b>Synonyms</b>	KCNJ11; ATP-sensitive inward rectifier potassium channel 11; IKATP; Inward rectifier K(+) channel Kir6.2; Potassium channel; inwardly rectifying subfamily J member 11

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

Potassium channels are present in most mammalian cells, where they participate in a wide range of physiologic responses. ATP-sensitive inward rectifier potassium channel 11 encoded by KCNJ11 is an integral membrane protein and inward-rectifier type potassium channel. ATP-sensitive inward rectifier potassium channel 11, 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 transcript variants that encode different protein isoforms have been described for this gene.

### Recommended Dilution

WB: 1: 500 - 1: 2000

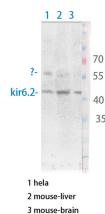
IHC: 1: 100 - 1: 300

IF: 1: 200 - 1: 1000

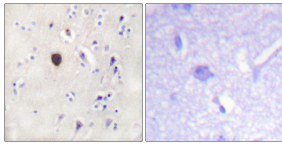
ELISA: 1: 10000

Not yet tested in other applications.

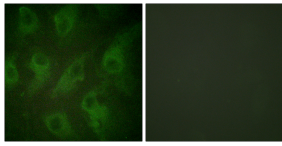
### Images



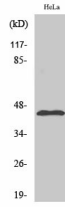
Western Blot analysis of various cells using Antibody diluted at 1:1000. Secondary antibody was diluted at 1:20000



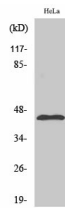
Immunohistochemistry analysis of paraffin-embedded human brain tissue, using Kir6.2 Antibody. The picture on the right is blocked with the synthesized peptide.



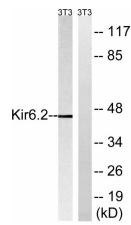
Immunofluorescence analysis of HeLa cells, using Kir6.2 Antibody. The picture on the right is blocked with the synthesized peptide.



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



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



Western blot analysis of lysates from 3T3 cells, using Kir6.2 Antibody. The lane on the right is blocked with the synthesized peptide.

### Storage

-20°C for one year

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