



# KIR3.4 rabbit pAb

Cat No.:ES6007

For research use only

## Overview

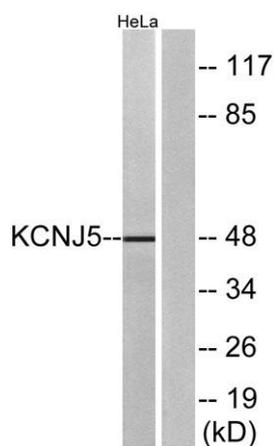
<b>Product Name</b>	KIR3.4 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC
<b>Species Cross-Reactivity</b>	Human;Rat;Mouse;
<b>Recommended dilutions</b>	WB 1:500-2000;IHC-p 1:50-300
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human KCNJ5. AA range:370-419
<b>Specificity</b>	KIR3.4 Polyclonal Antibody detects endogenous levels of KIR3.4 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	G protein-activated inward rectifier potassium channel 4
<b>Gene Name</b>	KCNJ5
<b>Cellular localization</b>	Membrane ; Multi-pass membrane protein .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	48kD
<b>Human Gene ID</b>	3762
<b>Human Swiss-Prot Number</b>	P48544
<b>Alternative Names</b>	KCNJ5; GIRK4; G protein-activated inward rectifier potassium channel 4; GIRK-4; Cardiac inward rectifier; CIR; Heart KATP channel; Inward rectifier K(+) channel Kir3.4; IRK-4; KATP-1; Potassium channel; inwardly rectifying subfamily J member
<b>Background</b>	Potassium channels are present in most mammalian cells, where they participate in a wide range of physiologic responses. The protein encoded by this



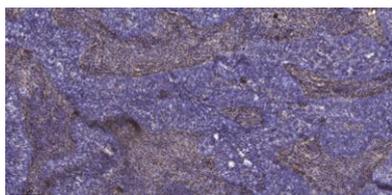


gene is an integral membrane protein and inward-rectifier type potassium channel. The encoded protein, which has a greater tendency to allow potassium to flow into a cell rather than out of a cell, is controlled by G-proteins. It may associate with two other G-protein-activated potassium channels to form a heteromultimeric pore-forming complex. [provided by RefSeq, Jul 2008],

Immunofluorescence analysis of A549 cells, using KCNJ5 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HeLa cells, using KCNJ5 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human cervical carcinoma. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

