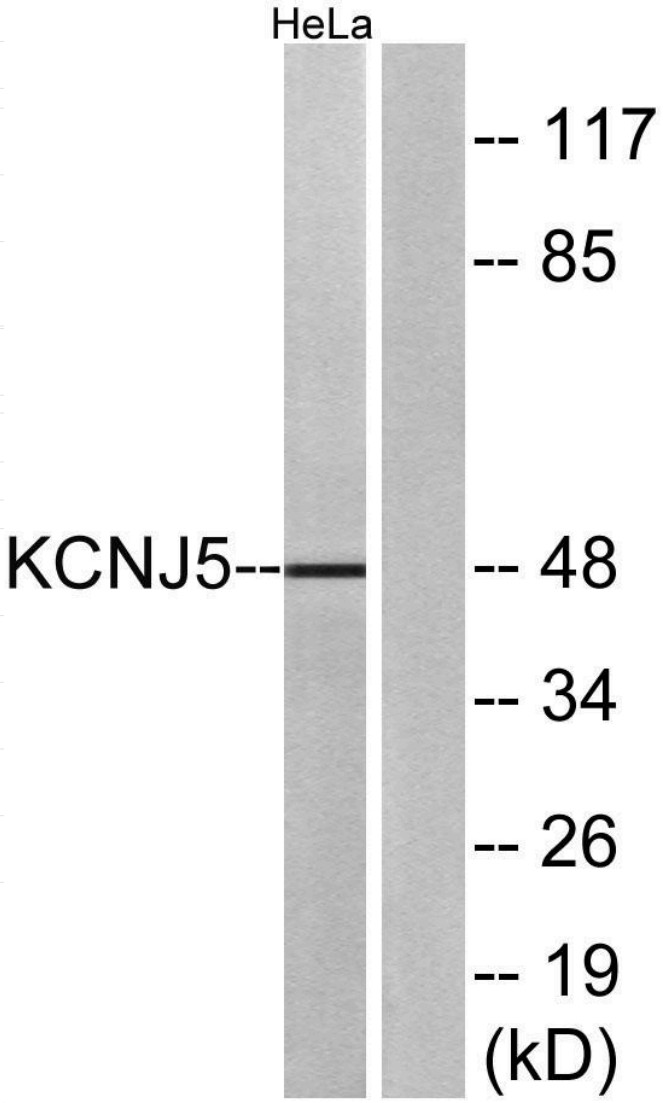
KIR3.4 Monoclonal Antibody

Catalog No	YP-mAb-16445
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	KCNJ5
Immunogen	The antiserum was produced against synthesized peptide derived from human KCNJ5. AA range:370-419
Specificity	KIR3.4 Monoclonal Antibody detects endogenous levels of KIR3.4 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Cardiac ATP sensitive potassium channel;Cardiac inward rectifier;CIR;G protein activated inward rectifier potassium channel 4;G protein-activated inward rectifier potassium channel 4;GIRK 4;GIRK-4;GIRK4;Heart KATP channel; Inward rectifier K(+) channel Kir3.4;Inward rectifier K+ channel KIR3.4;Inward rectifier potassium channel KIR3.4;inwardly rectifying subfamily J member 5;IRK-4;IRK5_HUMAN;KATP 1;KATP-1;KATP1;KCNJ 5;Kcnj5;KIR 3.4;KIR3.4;LQT13; Potassium channel;Potassium channel inwardly rectifying subfamily J member 5; Potassium inwardly rectifying channel J5;Potassium inwardly rectifying channel subfamily J member 5;potassium voltage-gated channel subfamily J member 5; inwardly rectifying subfamily J membe
Observed Band	48kD
Calculated Molecular Weight	48kD
Cell Pathway	Membrane ; Multi-pass membrane protein .
Tissue Specificity	Islets, exocrine pancreas and heart. Expressed in the adrenal cortex, particularly the zona glomerulosa.

Function	function:This potassium channel is controlled by G proteins. 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. Can be blocked by external barium.,similarity:Belongs to the inward rectifier-type potassium channel family.,subunit:May associate with GIRK1 and GIRK2 to form a G-protein-activated heteromultimer pore-forming unit. The resulting inward current is much larger.,tissue specificity:Islets, exocrine pancreas and heart.,
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. It may associate with two other G-protein-activated potassium channels to form a heteromultimeric pore-forming complex. [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using KIR3.4 Monoclonal Antibody