ATP-sensitive inward rectifier potassium channel 1 Polyclonal Antibody

Catalog No: #42228

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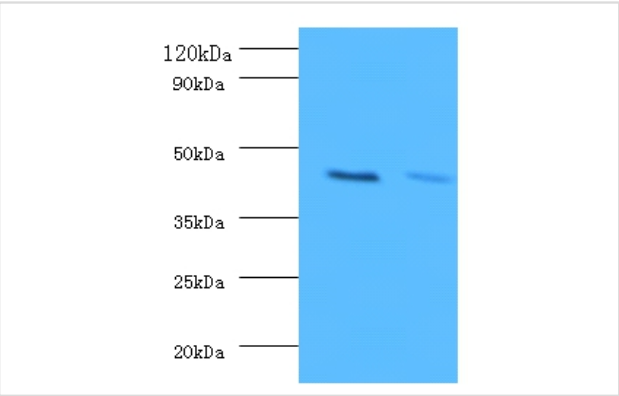
Description

Product Name	ATP-sensitive inward rectifier potassium channel 1 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total ATP-sensitive inward rectifier potassium channel 1 polyclonal antibody.
Immunogen Type	protein
Immunogen Description	Recombinant huaman ATP-sensitive inward rectifier potassium channel 1 protein
Target Name	ATP-sensitive inward rectifier potassium channel 1
Other Names	ATP-regulated potassium channel ROM-K Inward rectifier K(+) channel Kir1.1 Potassium channel, inwardly rectifying subfamily J member 1 KCNJ1 ROMK1
Accession No.	Swiss-Prot#: P48048
Uniprot	P48048
GeneID	3758;
Calculated MW	45kd
Formulation	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Storage	Store at -20°C

Application Details

Western blotting: 1:500 - 1:1000

Images



Western blot
All lanes:ATP-sensitive inward rectifier potassium channel 1 antibody at 2ug/ml
Lane 1:HepG2 whole cell lysate
Lane 2:Hela whole cell lysate
secondary
Goat polyclonal to rabbit at 1/10000 dilution
predicted band size :45kDa
observed band size :45kDa

Background

In the kidney, probably plays a major role in potassium homeostasis. 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. This channel is activated by internal ATP and can be blocked by external barium.

References

[1]Cloning and characterization of multiple forms of the human kidney ROM-K potassium channel.Shuck M.E., Bock J.H., Benjamin C.W., Tsai T.-D., Lee K.S., Slightom J.L., Bienkowski M.J.J. Biol. Chem. 269:24261-24270(1994) [2]Alternative splicing of huma

Note: This product is for in vitro research use only