ATP-sensitive inward rectifier potassium channel 1 Polyclonal Conjugated Antibody

Catalog No: #C42228

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Package Size: #C42228-AF350 100ul #C42228-AF405 100ul #C42228-AF488 100ul #C42228-AF555 100ul #C42228-AF594 100ul #C42228-AF647 100ul #C42228-AF680 100ul #C42228-AF750 100ul #C42228-Biotin 100ul

Description

Product Name	ATP-sensitive inward rectifier potassium channel 1 Polyclonal Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total ATP-sensitive inward rectifier potassium channel 1 polyclonal antibody.
Immunogen Description	Recombinant huaman ATP-sensitive inward rectifier potassium channel 1 protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
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;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	45
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

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.

Note: This product is for in vitro research use only