

Product datasheet for **AP55169SU-N**

Kir2.1 (KCNJ2) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	ELISA. Western Blot: 1/50-1/200. Immunohistochemistry: 1/200-1/2000.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide derived from Nter domain of KCNJ2 protein
Specificity:	Reacts with Human 48 kDa protein. Cross reacts with KCNJ2 from Mouse, Rat and several other species.
Formulation:	0.1M Tris, 0.1M Glycine, 2% Sucrose State: Serum State: Lyophilized powder Preservative: None
Reconstitution Method:	Restore in distilled water.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store prior to reconstitution at -20°C. Store reconstituted antibody at 2-8°C for one month or (in aliquots) at -20°C for longer.
Stability:	Shelf life: Six months from despatch.
Gene Name:	potassium voltage-gated channel subfamily J member 2
Database Link:	Entrez Gene 3759 Human P63252



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Background:

Potassium channels are present in most mammalian cells, where they participate in a wide range of physiologic responses. This protein is an integral membrane protein and inward-rectifier type potassium channel. This protein, which has a greater tendency to allow potassium to flow into a cell rather than out of a cell, probably participates in establishing action potential waveform and excitability of neuronal and muscle tissues. Mutations in this gene have been associated with Andersen syndrome, which is characterized by periodic paralysis, cardiac arrhythmias, and dysmorphic features.

Synonyms:

KCNJ2, HIRK1, Inward rectifier K(+) channel Kir2.1, Cardiac inward rectifier potassium channel, IRK1, Inward rectifier potassium channel 2