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Product datasheet for AP01225PU-N

KCNJ11 Rabbit Polyclonal Antibody

Product data:

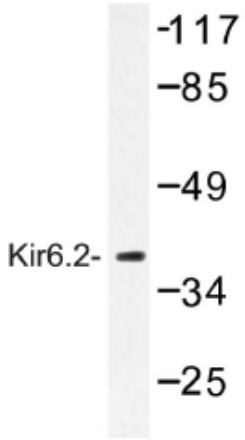
Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	**ELISA**: 1/10000-1/20000. **Western Blot**: 1/500-1/1000. **Immunofluorescence**: 1/50-1/200. **Immunohistochemistry on Paraffin Sections**: 1/50-1/200.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 188-243 of Human Kir6.2.
Specificity:	This antibody detects endogenous levels of Kir6.2 protein. (region surrounding Val220)
Formulation:	Phosphate buffered saline (PBS), pH~7.2 containing 0.05% Sodium Azide as preservative. State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE)
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography using epitope-specific immunogen.
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Predicted Protein Size:	~40 kDa
Gene Name:	potassium voltage-gated channel subfamily J member 11
Database Link:	Entrez Gene 3767 Human Q14654

View online »

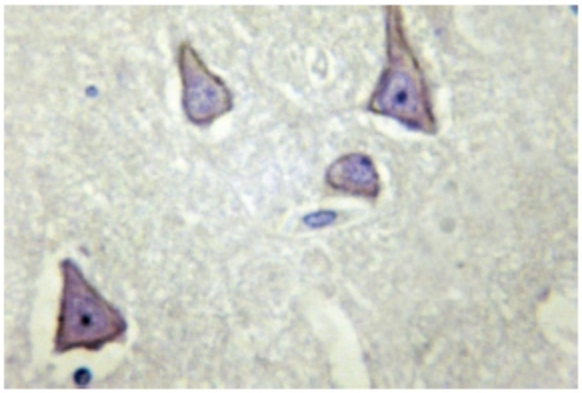
Background: ATP-sensitive K+ channels play important roles in many cellular functions by coupling cell metabolism to electrical activity. KIR6.1 and KIR6.2 are members of the KIR (inwardly rectifying potassium channel) family of potassium channels. Inward rectifying K+ channels possess a greater tendency to allow potasium to flow into the cell rather than out of it. These channels comprise two subunits: a KIR6.0 subfamily component and a SUR component, which is a member of the ATP-binding cassette protein superfamily. Mutations in the gene coding for these channels are a cause of an autosomal recessive disorder characterized by unregulated insulin secretion. The amino-terminal and carboxyl-terminal domains of KIR channel subunits are both intracellular, and the two intracellular domains of KIR6.2 physically interact with each other.

Synonyms: KCNJ11, Inward rectifier K+ channel Kir6.2, IKATP

Product images:



Western blot (WB) analysis of Kir6.2 antibody (Cat.-No.: AP01225PU-N) in extracts from HeLa cells.



Immunohistochemistry (IHC) analyzes of Kir6.2 antibody (Cat.-No.: AP01225PU-N) in paraffin-embedded human brain tissue.