

### Anti-Kv5.1 Antibody

Rabbit polyclonal antibody to Kv5.1 Catalog # AP60979

## **Specification**

# Anti-Kv5.1 Antibody - Product Information

Application WB
Primary Accession Q9H3M0
Other Accession Q7TSH7
Reactivity Human, Mouse, Rat, Monkey

Host Rabbit
Clonality Polyclonal
Calculated MW 55584

# Anti-Kv5.1 Antibody - Additional Information

### **Gene ID 3754**

### **Other Names**

Potassium voltage-gated channel subfamily F member 1; Voltage-gated potassium channel subunit Kv5.1; kH1

# **Target/Specificity**

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Kv5.1. The exact sequence is proprietary.

### **Dilution**

WB~~WB (1/500 - 1/1000)

#### **Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

# **Storage**

Store at -20 °C. Stable for 12 months from date of receipt

# Anti-Kv5.1 Antibody - Protein Information

## Name KCNF1 (HGNC:6246)

### **Function**

Regulatory alpha-subunit of the voltage-gated potassium (Kv) channel which, when coassembled with KCNB1 or KCNB2, can modulate their expression and their gating kinetics by acting on deactivation upon repolarization and inactivation during maintained depolarization. Accelerates inactivation but has relatively little effect on deactivation. Coexpression with KCNB1 or KCNB2 markedly slows inactivation. Each modulatory subunit has its own specific properties of regulation, and can lead to extensive inhibitions, to large changes in kinetics, and/or to large shifts in the voltage dependencies of the inactivation process. The gating kinetics depends on the nature and



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stoichiometry of the associated regulatory sunbunit. Fails to produce a potassium current when expressed alone.

### **Cellular Location**

Cell membrane {ECO:0000250|UniProtKB:Q14721}; Multi-pass membrane protein

#### **Tissue Location**

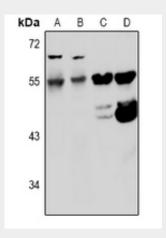
Detected in heart, brain, liver, skeletal muscle, kidney and pancreas

## **Anti-Kv5.1 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## Anti-Kv5.1 Antibody - Images



Western blot analysis of Kv5.1 expression in COS7 (A), Panc1 (B), mouse heart (C), rat heart (D) whole cell lysates.

# Anti-Kv5.1 Antibody - Background

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