

# Anti-Kv5.1 Antibody

Rabbit polyclonal antibody to Kv5.1

Catalog # AP60979

## Product Information

Application	WB
Primary Accession	<a href="#">Q9H3M0</a>
Other Accession	<a href="#">Q7TSH7</a>
Reactivity	Human, Mouse, Rat, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	55584

## 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

## Protein Information

Name	KCNF1 ( <a href="#">HGNC:6246</a> )
Function	<p>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 stoichiometry of the associated regulatory subunit. Fails to produce a potassium current when expressed alone.</p>

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

<b>Cellular Location</b>	protein
<b>Tissue Location</b>	Detected in heart, brain, liver, skeletal muscle, kidney and pancreas

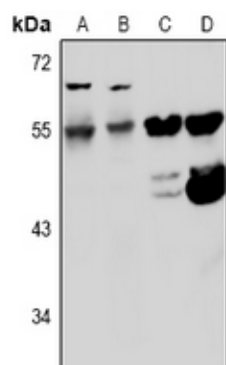
## Background

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

## Images

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.