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# Anti-Kv5.1 Antibody

Catalog # AP60979

## Product Information

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|---|---|
| **Application** | WB |
| **Primary Accession** | Q9H3M0 |
| **Reactivity** | Human, Mouse, Rat, Mk |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 55584 |

## Additional Information

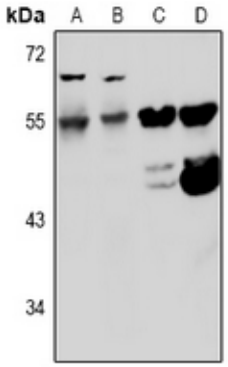
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|---|---|
| **Gene ID** | 3754 |
| **Other Names** | Potassium voltage-gated channel subfamily F member 1; Voltage-gated potassium channel subunit Kv5.1; kH1 |
| **Target/Specificity** | KLH-conjugated synthetic peptide encompassing a sequence within 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 0.01% sodium azide. |
| **Storage** | Store at -20 °C.Stable for 12 months from date of receipt |

## Protein Information

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| **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 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 |

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| **Tissue Location** | Detected in heart, brain, liver, skeletal muscle, kidney and pancreas |

## Images




Western blot analysis of Kv5.1 expression in COS7 (A), Panc1 (B), mouse heart (C), rat heart (D) whole cell lysates. (Predicted band size: 55 kD; Observed band size: 55 kD)

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