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KV9.2 Polyclonal Antibody
Catalog # AP70699

Specification

KV9.2 Polyclonal Antibody - Product Information

Application	**WB**
Primary Accession	Q9ULS6
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**

KV9.2 Polyclonal Antibody - Additional Information

Gene ID 3788

Other Names
KCNS2; KIAA1144; Potassium voltage-gated channel subfamily S member 2; Delayed-rectifier K(+) channel alpha subunit 2; Voltage-gated potassium channel subunit Kv9.2

Dilution
WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.

Format
Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions
-20℃

KV9.2 Polyclonal Antibody - Protein Information

Name KCNS2 (HGNC:6301)

Synonyms KIAA1144

Function
Potassium channel regulatory subunit that modulate the delayed rectifier voltage-gated potassium channel activity of KCNB1 and KCNB2 by altering their kinetics, expression levels, and shifting the half-inactivation potential to more polarized values. While it does not form functional channels on its own, it can form functional heterotetrameric channels with KCNB1 and KCNB2. Each regulatory subunit has unique regulatory properties that can lead to extensive inhibition, significant changes in kinetics, and/or substantial shifts in the voltage dependencies of the inactivation process.

Cellular Location
Cell membrane {ECO:0000250|UniProtKB:O35174}; Multi-pass membrane protein {ECO:0000250|UniProtKB:O35174}. Note=May not reach the plasma membrane but remain in an intracellular compartment in the absence of KCNB1 or KCNB2 {ECO:0000250|UniProtKB:O35174}

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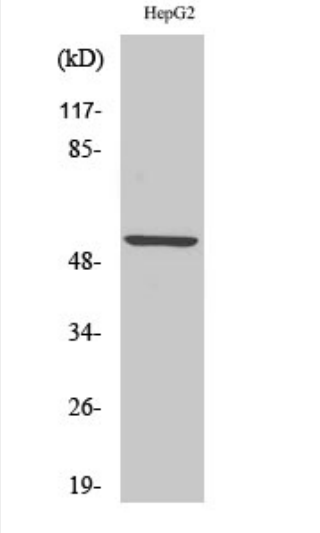
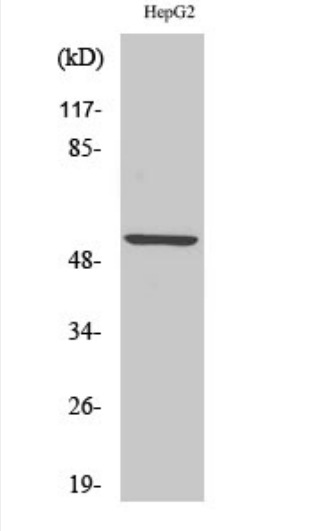
KV9.2 Polyclonal Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KV9.2 Polyclonal Antibody - Images





KV9.2 Polyclonal Antibody - Background

Potassium channel subunit that does not form functional channels by itself. Can form functional

heterotetrameric channels with KCNB1 and KCNB2; modulates the delayed rectifier voltage- gated potassium channel activation and deactivation rates of KCNB1 and KCNB2.