10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

KV9.2 Polyclonal Antibody

Catalog # AP70699

Product Information

Application	WB, IHC-P
Primary Accession	Q9ULS6
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	54237

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. IHC-P~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

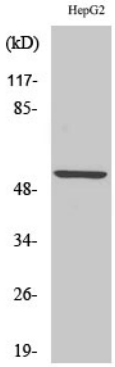
Protein Information

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}

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.

Images



Western Blot analysis of various cells using KV9.2 Polyclonal Antibody

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