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Anti-Kv9.2 Antibody

Rabbit polyclonal antibody to Kv9.2
Catalog # AP60019

Product Information

Application	WB
Primary Accession	Q9ULS6
Other Accession	O35174
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	54237

Additional Information

Gene ID	3788
Other Names	KIAA1144; Potassium voltage-gated channel subfamily S member 2; Delayed-rectifier K(+) channel alpha subunit 2; Voltage-gated potassium channel subunit Kv9.2
Target/Specificity	Recognizes endogenous levels of Kv9.2 protein.
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

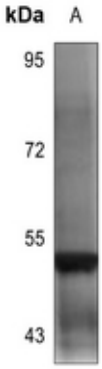
Name	KCNS2 (HGNC:6301)
Synonyms	KIAA1144
Function	Potassium channel regulatory subunit that modulate the delayed rectifier voltage-gated potassium channel activity of KCNB1 and KCNB2 by altering their kinetics, expression levels, and shifting the half-inactivation potential to more polarized values. 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

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Kv9.2. The exact sequence is proprietary.

Images



Western blot analysis of Kv9.2 expression in A2780 (A) whole cell lysates.