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KCNS1 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI10791

Product Information

Application	WB
Primary Accession	A4K2N8
Other Accession	NM_002251, NP_002242
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Dog, Horse, Bovine
Predicted	Human, Mouse, Rat, Chicken, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	58414

Additional Information

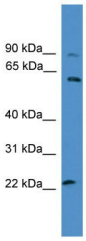
Gene ID	469951
Alias Symbol	KV9.1
Other Names	Potassium voltage-gated channel subfamily S member 1, Delayed-rectifier K(+) channel alpha subunit 1, KCNS1
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-KCNS1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	KCNS1 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	KCNS1 {ECO:0000250|UniProtKB:Q96KK3}
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 (By similarity). 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 (By similarity).
Cellular Location	Cell membrane {ECO:0000250|UniProtKB:Q96KK3}; Multi-pass membrane

protein {ECO:0000250|UniProtKB:Q96KK3}. Note=May not reach the plasma membrane but remain in an intracellular compartment in the absence of KCNB1 or KCNB2 {ECO:0000250|UniProtKB:Q96KK3}

Images



WB Suggested Anti-KCNS1 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:312500
Positive Control: HepG2 cell lysate