

# KCNS1 antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI10791

## Product Information

<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">A4K2N8</a>
<b>Other Accession</b>	<a href="#">NM_002251</a> , <a href="#">NP_002242</a>
<b>Reactivity</b>	Human, Mouse, Rat, Rabbit, Zebrafish, Dog, Horse, Bovine
<b>Predicted</b>	Human, Mouse, Rat, Chicken, Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	58414

## Additional Information

<b>Gene ID</b>	469951
<b>Alias Symbol</b>	KV9.1
<b>Other Names</b>	Potassium voltage-gated channel subfamily S member 1, Delayed-rectifier K(+) channel alpha subunit 1, KCNS1
<b>Format</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Reconstitution &amp; Storage</b>	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.
<b>Precautions</b>	KCNS1 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

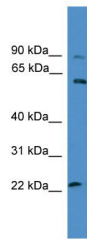
## Protein Information

<b>Name</b>	KCNS1 {ECO:0000250 UniProtKB:Q96KK3}
<b>Function</b>	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).
<b>Cellular Location</b>	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

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

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