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

KCNS2 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13489a

Specification

KCNS2 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q9ULS6
Other Accession	Q9ER26, O35174, NP_065748.1
Reactivity	**Human**
Predicted	**Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**54237**
Antigen Region	**111-140**

KCNS2 Antibody (N-term) - Additional Information

Gene ID 3788

Other Names
Potassium voltage-gated channel subfamily S member 2, Delayed-rectifier K(+) channel alpha subunit 2, Voltage-gated potassium channel subunit Kv92, KCNS2, KIAA1144

Target/Specificity
This KCNS2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 111-140 amino acids from the N-terminal region of human KCNS2.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
KCNS2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

KCNS2 Antibody (N-term) - 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.

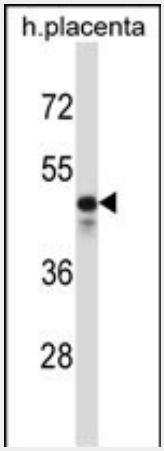
Cellular Location
Cell membrane {ECO:0000250|UniProtKB:O35174}; Multi-pass membrane protein {ECO:0000250|UniProtKB:O35174}. Note=May not reach the plasma membrane but remain in an intracellular compartment in the absence of KCNB1 or KCNB2 {ECO:0000250|UniProtKB:O35174}

KCNS2 Antibody (N-term) - 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

KCNS2 Antibody (N-term) - Images



KCNS2 Antibody (N-term) (Cat. #AP13489a) western blot analysis in human placenta tissue lysates (35ug/lane).This demonstrates the KCNS2 antibody detected the KCNS2 protein (arrow).

KCNS2 Antibody (N-term) - Background

KCNS2 is potassium channel subunit. It modulates channel activity and reduces the ion flow (By similarity).

KCNS2 Antibody (N-term) - References

Gutman, G.A., et al. Pharmacol. Rev. 57(4):473-508(2005)
Salinas, M., et al. J. Biol. Chem. 272(39):24371-24379(1997)
Banfi, S., et al. Nat. Genet. 13(2):167-174(1996)