

Datasheet for ABIN317930 **anti-KCNS2 antibody**

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Overview

Quantity:	0.1 mg
Target:	KCNS2
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNS2 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Specificity:	KV9.2 antibody detects endogenous levels of KV9.2 protein.(region surrounding Ile229)
Purification:	Affinity chromatography

Target Details

Target:	KCNS2
Alternative Name:	KCNS2 (KCNS2 Products)
Background:	Voltage-gated K ⁺ channels in the plasma membrane control the repolarization and the frequency of action potentials in neurons, muscles and other excitable cells. The KV gene family encodes more than 30 proteins that comprise the subunits of the K ⁺ channels, and they vary in their gating and permeation properties, subcellular distribution and expression patterns. Functional KV channels assemble as tetramers consisting of pore-forming α subunits (KV), which include the KV1, KV2, KV3, KV4 and KV9 proteins, and accessory or KV-subunits that

Target Details

modify the gating properties of the coexpressed KV subunits. KV9.2 is a K⁺ channel subunit that reduces the ion flow and regulates channel activity. It localizes to the cell membrane and, in the absence of KCNB1, KV9.2 may not reach the plasma membrane and may remain in an intracellular compartment. Synonyms: Delayed-rectifier K(+) channel alpha subunit 2, KCNS2, KIAA1144, Potassium voltage-gated channel subfamily S member 2, Voltage-gated potassium channel subunit Kv9.2

Molecular Weight: approx. 68 kDa

Gene ID: 3788

NCBI Accession: [NP_065748](#)

UniProt: [Q9ULS6](#)

Application Details

Application Notes: ELISA: 1: 40000 approx. 1: 60000. WB: 1: 500 approx. 1: 1000.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Concentration: 1,0 mg/mL

Buffer: Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2.

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

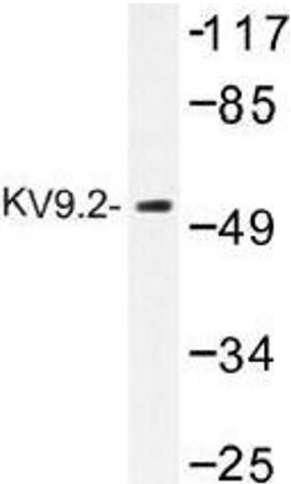


Image 1.