

Datasheet for ABIN7540654 **anti-Kv2.2 antibody**



[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	Kv2.2 (KCNB2)
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Kv2.2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	Potassium Channel, Voltage Gated, Kv2.2 Antibody
Immunogen:	Anti-Potassium Channel, Voltage Gated Kv2.2 Antibody was produced by repeated immunizations with a synthetic peptide corresponding to amino acid residues specific to the Kv2.2 subunit.
Isotype:	IgG
Cross-Reactivity (Details):	Anti-Potassium Channel, Voltage Gated Kv2.2 antibody is directed against rat Voltage Gated Potassium Channel Kv2.

Target Details

Target:	Kv2.2 (KCNB2)
Alternative Name:	Kcnb2 (KCNB2 Products)
Background:	Potassium voltage-gated channel subfamily B member 2, CDRK, Potassium Channel, Voltage

Target Details

Gated Kv2.2 Antibody detects Voltage Gated Potassium Channel Kv2.2. Voltage-gated K⁺ channels are important determinants of neuronal membrane excitability. Moreover, differences in K⁺ channel expression patterns and densities contribute to the variations in action potential waveforms and repetitive firing patterns evident in different neuronal cell types. The delayed rectifier-type (IK) channels (Kv1.5, Kv2.1, and Kv2.2) are expressed on all neuronal somata and proximal dendrites and are also found in a wide variety of non-neuronal cells types including pancreatic islets, alveolar cells and cardiac myocytes. Kv2.1 and Kv2.2 form distinct populations of K⁺ channels and these subunits are thought to be primarily responsible for IK in superior cervical ganglion cells. Anti-Potassium Channel, Voltage Gated Kv2.2 Antibody is ideal for investigators involved in Neuroscience and Cell Signaling research.

Gene ID: 621349

NCBI Accession: [NP_446452](#)

UniProt: [Q63099](#)

Application Details

Application Notes: Immunohistochemistry_Dilution: 1:1000
Western_Blot_Dilution: 1:1000
Other: User Optimized

Comment: Anti-Potassium Channel, Voltage Gated, Kv2.2 Antibody has been tested in Western Blotting and IHC. Specific conditions for reactivity should be optimized by the end user. Expect a band of approximately 100 kDa in size corresponding to voltage gated potassium channel, Kv2.2 subunit in the appropriate cell lysate or extract.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Buffer: 0.01 M HEPES, 0.15 M Sodium Chloride, pH 7.5
Stabilizer: 0.1 mg/mL Bovine Serum Albumin (BSA) - IgG and Protease free, 50 % (v/v) Glycerol

Storage: 4 °C, -20 °C

Storage Comment: Store vial at -20° C prior to opening. This product is stable at 4° C as an undiluted liquid. For extended storage, aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Dilute only prior to immediate use.

Handling

Expiry Date: 12 months