

Anti-KCNC1 / Kv3.1 Antibody (Internal)

Rabbit Anti Human Polyclonal Antibody Catalog # ALS18413

Specification

Anti-KCNC1 / Kv3.1 Antibody (Internal) - Product Information

Application WB, IHC-P Primary Accession P48547

Predicted Human, Mouse, Rat, Rabbit, Bovine

Host Rabbit
Clonality Polyclonal
Calculated MW 57942

Dilution WB~~1:1000 IHC-P~~N/A

Anti-KCNC1 / Kv3.1 Antibody (Internal) - Additional Information

Gene ID 3746

Alias Symbol KCNC1

Other Names

KCNC1, KShIIIB, KV3.1, Raw2, Shaw22, KV4, NGK2

Target/Specificity

Recognizes endogenous levels of Kv3.1 protein.

Reconstitution & Storage

Immunoaffinity purified

Precautions

Anti-KCNC1 / Kv3.1 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-KCNC1 / Kv3.1 Antibody (Internal) - Protein Information

Name KCNC1 {ECO:0000303|PubMed:8449507, ECO:0000312|HGNC:HGNC:6233}

Function

Voltage-gated potassium channel that opens in response to the voltage difference across the membrane and through which potassium ions pass in accordance with their electrochemical gradient (PubMed:http://www.uniprot.org/citations/25401298"

target="_blank">25401298, PubMed:35840580). The mechanism is time-dependent and inactivation is slow (By similarity). Plays an important role in the rapid repolarization of fast-firing brain neurons (By similarity). Can form functional homotetrameric channels and heterotetrameric channels that contain variable proportions of KCNC2, and possibly other family members as well (By similarity). Contributes to fire sustained trains of very brief action potentials at high frequency in pallidal neurons (By similarity).



Cellular Location

Cell membrane; Multi-pass membrane protein. Cell projection, axon {ECO:0000250|UniProtKB:P25122}. Presynaptic cell membrane {ECO:0000250|UniProtKB:P25122}. Note=Localizes in parallel fiber membranes, distributed on the perisynaptic and extrasynaptic membranes away from the active zones. {ECO:0000250|UniProtKB:P25122}

Anti-KCNC1 / Kv3.1 Antibody (Internal) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-KCNC1 / Kv3.1 Antibody (Internal) - Images