

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

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: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](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

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