

Kv3.1 polyclonal antibody

Catalog: BS5779

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

The human voltage-gated potassium (KV) channel KV3.1 gene maps to chromosome 11p15 and encodes a protein that resembles Drosophila Shaw subfamily channel types. KV channels regulate neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume. KV channels are multimers that contain channel activity-dependent alpha subunits and modulatory gamma subunits. Neuronal populations in the CNS coexpressing KV3.1 and KV3.3 influence fast repolarization of action potentials and enable neurons to fire repetitively at high frequencies. KV3 genes produce multiple splice variants in the 3' ends of respective transcript, which may influence normal spatial ion permeability of excitable membranes in the brain.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 58 kDa

Swiss-Prot:

P48547

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

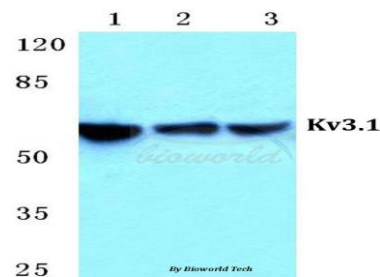
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Kv3.1 polyclonal antibody detects endogenous levels of Kv3.1 protein.

DATA:



Western blot (WB) analysis of Kv3.1 polyclonal antibody at 1:500 dilution

Lane1: Jurkat cell lysate

Lane2: Raw264.7 cell lysate

Lane3: H9C2 cell lysate

Note:

For research use only, not for use in diagnostic procedure.

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