

Kv1.1 polyclonal antibody

Catalog: BS90780

Host: Rabbit

Reactivity: Human, Mouse, Rat

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 genes 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 α), which include the KV1, KV2, KV3, and KV4 proteins, and accessory or KV β subunits that modify the gating properties of the co-expressed KV α subunits. Differences exist in the patterns of trafficking, biosynthetic processing and surface expression of the major KV1 subunits (KV1.1, KV1.2, KV1.4, KV1.5 and KV1.6) expressed in rat and human brain, suggesting that the individual protein subunits are highly regulated to control for the assembly and formation of functional neuronal channels.

Product:

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

Molecular Weight:

56 kDa

Swiss-Prot:

Q09470(Human) P16388(Mouse) P10499(Rat)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:5,000-1:10,000

IHC:1:50-1:200

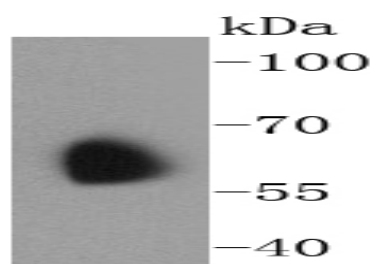
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

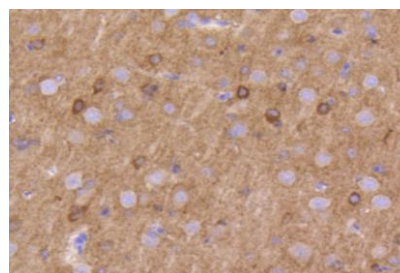
Specificity:

Kv1.1 polyclonal antibody detects endogenous levels of Kv1.1 protein.

DATA:



Western blot analysis of Kv1.1 potassium channel on human brain lysates using anti-Kv1.1 potassium channel antibody at 1/1,000 dilution.



Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-Kv1.1 potassium channel antibody. Counter stained with hematoxylin.

Note:

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

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