

KCNAB1/Kv beta 1 Polyclonal Antibody

Catalog: BS65438 Host: Rabbit Reactivity: Hu-
man, Mouse, Rat, Chicken, Dog, Pig, Cow, Rabbit, Sheep,

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 proteins 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), which include the KV1, KV2, KV3 and KV4 proteins, and accessory or KV-subunits that modify the gating properties of the coexpressed KV subunits. KV β , also known as KCNAB1 (potassium voltage-gated channel, shaker-related subfamily, beta member 1), is a 419 amino acid accessory K⁺ channel protein that exists as three alternatively spliced isoforms and regulates the activity of the pore-forming α subunit. It is expressed in brain, with highest levels detected in caudate nucleus, hippocampus and thalamus.

Product:

0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

Molecular Weight:

47 kD

Swiss-Prot:

Q14722

Purification&Purity:

affinity purified by Protein A

Applications:

WB=1:500-2000

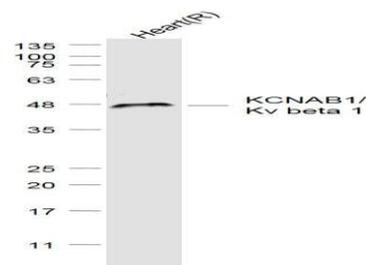
Storage&Stability:

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

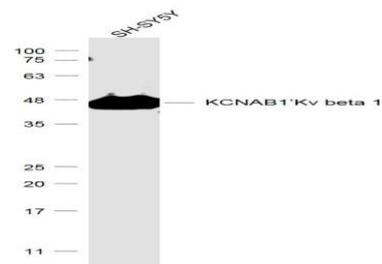
Specificity:

KCNAB1/Kv beta 1 Polyclonal Antibody detects endogenous levels of KCNAB1/Kv beta 1 protein.

DATA:



Primary: Anti-KCNAB1/Kv beta 1 at 1/500 dilution



Primary: Anti-KCNAB1/Kv beta 1 at 1/1000 dilution

Note:

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

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