

**KV $\beta$ .3 (Q327) polyclonal antibody**

Catalog: BS9168

Host: Rabbit

Reactivity: Human, Mouse, Rat

**BackGround:**

The KV gene family encodes more than 30 proteins that comprise the subunits of the K<sup>+</sup> 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  $\alpha$  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 $\beta$ .3 is an accessory K<sup>+</sup> channel protein which regulates the activity of the poreforming  $\alpha$  subunit and alters the functional properties of Kv1.5. KV $\beta$ .3 localizes to the cytoplasm and is expressed in the brain, with highest expression detected in the cerebellum, and weakest expression seen in the frontal and temporal lobes. No KV $\beta$ .3 expression is detected in the heart, spinal cord, lung, liver, kidney, pancreas, placenta or skeletal muscle.

**Product:**

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

**Molecular Weight:**

~44 kDa

**Swiss-Prot:**

O43448

**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

IHC: 1:50~1:200

**Storage&Stability:**

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

**Specificity:**

KV $\beta$ .3 (Q327) polyclonal antibody detects endogenous levels of KV $\beta$ .3 protein.

**DATA:**

Immunohistochemistry (IHC) analyzes of KV $\beta$ .3 (Q327) pAb in paraffin-embedded human breast cancer tissue.

**Note:**

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

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