

**Na<sup>+</sup> CP type IX $\alpha$  (R692) polyclonal antibody**

Catalog: BS9164

Host: Rabbit

Reactivity: Human, Mouse, Rat

**BackGround:**

Voltage-gated Na<sup>+</sup> channels regulate the permeability of excitable cells to sodium ions. During the propagation of an action potential, Na<sup>+</sup> channels allow an influx of sodium ions, which rapidly depolarize the cell. The sodium channel protein is comprised of one  $\alpha$  subunit and two  $\beta$  subunits. The Na<sup>+</sup> CP type I and Na<sup>+</sup> CP type II $\alpha$  subunits are expressed in adult brain. Na<sup>+</sup> CP type III $\alpha$  is expressed in embryonic brain, but not in adult brain. Na<sup>+</sup> CP type III $\beta$  is a 215 amino acid, single-pass type I membrane protein that modulates sodium channel gating kinetics and inactivates the channel opening more slowly than the I $\beta$  subunit. It has an extracellular N-terminal domain, an N-terminal signal sequence, a single membrane-spanning region and a C-terminal cytoplasmic region.

**Product:**

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

**Molecular Weight:**

~ 226 kDa

**Swiss-Prot:**

Q15858

**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:**

Na<sup>+</sup> CP type IX $\alpha$  (R692) polyclonal antibody detects endogenous levels of Na<sup>+</sup> CP type IX $\alpha$  protein.

**DATA:**

Immunohistochemistry (IHC) analyzes of Na<sup>+</sup> CP type IX $\alpha$  (R692) pAb in paraffin-embedded human lung cancer tissue.

**Note:**

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

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