

## Na<sup>+</sup> CP type $\alpha$ -pan (E1476) polyclonal antibody

Catalog: BS3558

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 im-

munogen and the purity is > 95% (by SDS-PAGE).

### Applications:

IHC: 1:50~1:200

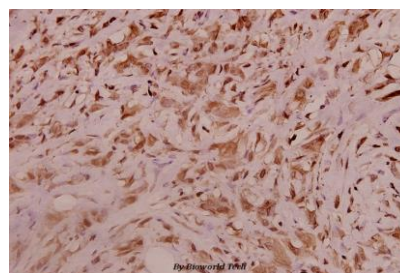
### Storage&Stability:

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

### Specificity:

Na<sup>+</sup> CP type  $\alpha$ -pan (E1476) polyclonal antibody detects endogenous levels of Na<sup>+</sup> CP type  $\alpha$ -pan protein.

### DATA:



Immunohistochemistry (IHC) analyzes of Na<sup>+</sup> CP type  $\alpha$ -pan (E1476) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

### Note:

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

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