Na+ CP type IIβ polyclonal antibody

Catalog: BS5811 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

Voltage-gated sodium channels are selective ion channels that regulate the permeability of sodium ions in excitable cells. During the propagation of an action potential, sodium channels allow an influx of sodium ions, which rapidly depolarizes the cell. Na+ CP type IIβ (sodium channel, voltage-gated, typeII, β), also known as SCN2B, is a 215 amino acid single-pass type I membrane protein that plays a critical role in the expression and assembly of the heterotrimeric complex of the sodium channel and interacts with Tenascin-R to influence the clustering and regulation of sodium channels at nodes of Ranvier. Expressed specifically in brain, Na+ CP type IIβ contains one Ig-like C2-type (immunoglobulin-like) domain and is encoded by a gene that maps to human chromosome 11q23.3 and mouse chromosome 9 A5.2.

Product:

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

Molecular Weight:

~ 24 kDa

Swiss-Prot:

O60939

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

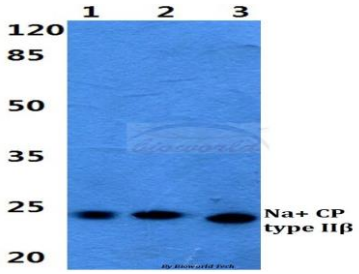
Storage&Stability:

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

Specificity:

Na+ CP type IIβ polyclonal antibody detects endogenous levels of Na+ CP type IIβ protein.

DATA:



Western blot (WB) analysis of Na+ CP type IIβ polyclonal antibody at 1:500 dilution

Lane1:HEK29T cell lysate

Lane2:Raw264.7 cell lysate

Lane3:Rat liver tissue lysate

Note:

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

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