

## Anti-Na<sup>+</sup> CP type IX Alpha SCN9A Antibody

Catalog Number: A00920-3

### About SCN9A

Stress-activated component of a protein kinase signal transduction cascade. Regulates the JNK and p38 pathways. Pro-apoptotic. Role in regulation of S and G2 cell cycle checkpoint by direct phosphorylation of CHEK2. Isoform 1, but not isoform 2, causes cell shrinkage and disruption of actin stress fibers. Isoform 1 may have role in neoplastic cell transformation and cancer development. Isoform 1, but not isoform 2, phosphorylates histone H3 at 'Ser-28'.

Gotoh I., J. Biol. Chem. 276:4276-4286(2001).

Bloem L.J., J. Mol. Cell. Cardiol. 33:1739-1750(2001).

Gross E.A., J. Biol. Chem. 277:13873-13882(2002).

### Overview

|                      |   |
|----------------------|---|
| Product Name         | Anti-Na <sup>+</sup> CP type IX Alpha SCN9A Antibody  |
| Reactive Species     | Human, Mouse, Rat   |
| Description          | Boster Bio Anti-Na <sup>+</sup> CP type IX Alpha SCN9A Antibody catalog # A00920-3. Tested in WB applications. This antibody reacts with Human,Mouse,Rat. |
| Application          | WB  |
| Clonality            | Polyclonal  |
| Formulation          | Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2  |
| Storage Instructions | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.                |
| Host                 | Rabbit  |
| Uniprot ID           | Q15858  |

### Technical Details

|                            |  |
|----------------------------|--|
| Immunogen                  | Synthesized peptide derived from human ATF-2 around the phosphorylation site of T73. |
| Predicted Reactive Species | Boar, Bovine, Canine, Golden Hamster   |
| Cross Reactivity           | No cross reactivity with other proteins.   |
| Isotype                    | IgG  |
| Form                       | Liquid   |
| Concentration              | 1 mg/ml  |

|                     |   |
|---------------------|---|
| Purification        | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).   |
| Suggested Dilutions | <p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>WB: 1:500-1:1000</p> |

## Anti-Na<sup>+</sup> CP type IX Alpha SCN9A Antibody (A00920-3) Images

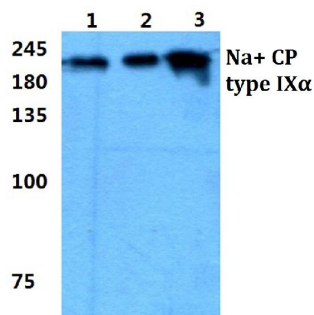


Figure 1. Western blotting validation for Anti-Na<sup>+</sup> CP type IX Alpha SCN9A Antibody A00920-3

Western blot (WB) analysis of Na<sup>+</sup> CP type IXalpha polyclonal antibody at 1:500 dilution

Lane1:MCF-7 cell lysate

Lane2:NIH-3T3 cell lysate

Lane3:H9C2 cell lysate

Electrophoresis was performed on a SDS-PAGE gel. To determine SDS-PAGE gel concentration

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