



## SP19 (pan Sodium Channel)

### Catalog number

S5368

### Supplier

United States Biological

### Applications:

Suitable for use in Western Blot and Immunohistochemistry. Other applications not tested.

### Recommended Dilutions

Western Blot: 1:200 using ECL on rat brain membranes

Immunohistochemistry: Frozen mouse brain sections; Paraffin mouse spinal cord sections.

Note: All procedures that are going to receive a full-length protein should be performed at 4°C, and the following protease inhibitor mixture should be used: pepstatin A (1ug/ml), leupeptin (1ug/ml), aprotinin (1ug/ml), Pefabloc SC (0.2mM), benzamidine (0.1mg/ml), and calpain inhibitors I and II (8ug/ml each).

Optimal dilutions to be determined by the researcher.

### Included Negative Control

S5368A: SP19 (pan Sodium Channel), Rat, Control Peptide

Supplied as a lyophilized powder. Reconstitute in 100ul sterile ddH<sub>2</sub>O. Preincubate 1ug of peptide with 1ug of antibody for one hour at RT.

### Recommended Secondary Antibodies

#### I1904-39

IgG, X-Adsorbed (HRP) Pab Gt xRb

I1904-40A: IgG, H&L, X-Adsorbed (HRP) Pab Gt xRb

I1904-46Q: IgG, H&L (HRP) Pab Gt xRb

### Storage and Stability

Lyophilized powder may be stored at -20°C. Stable for 12 months at -20°C. Reconstitute with sterile PBS. Aliquot to avoid repeated freezing and thawing. Store at -20°C. Reconstituted product is stable for 12 months after receipt at -20°C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.

### Immunogen

Peptide corresponding to the alpha subunit (aa1501-1518) of rat type I voltage-gated sodium channel (VGSC) (P04774).

### Formulation

Supplied as a lyophilized powder from PBS, pH 7.4, 1% BSA, 0.05% sodium azide. Reconstitute with 50ul sterile ddH<sub>2</sub>O.

### Purity

Purified by affinity chromatography.

### Specificity



Recognizes the alpha subunits of rat SP19 (pan Sodium Channel). Species Crossreactivity: mouse

**Product Type**

Pab

**Source**

rat

**Isotype**

IgG

**Grade**

Affinity Purified

**Applications**

IHC WB

**Crossreactivity**

Mo Rt

**Storage**

-20°C

**Reference**

1. Yue, L. et al. (1999) Circ Res. 84, 776. 2. Anis, Y. et al. (1999) J. Biol. Chem. 274, 7431. 3. Hanani, M. et al. (2000) Am J. Physiol. 278, G644.