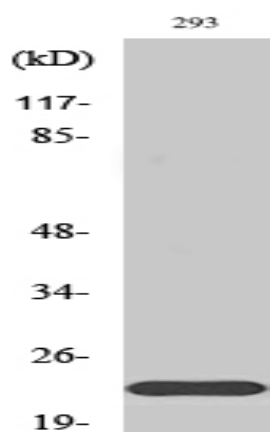


**Na<sup>+</sup> CP type II $\beta$  Polyclonal Antibody**

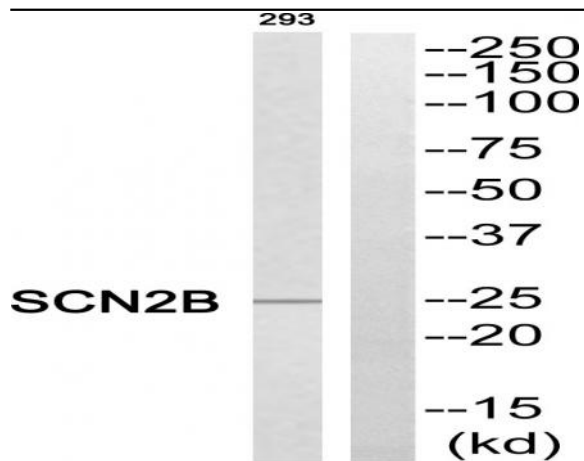
|                              |   |
|------------------------------|---|
| <b>Catalog No :</b>          | YT2965  |
| <b>Reactivity :</b>          | Human;Mouse;Rat   |
| <b>Applications :</b>        | WB;ELISA;IHC  |
| <b>Target :</b>              | SCN2B   |
| <b>Gene Name :</b>           | SCN2B   |
| <b>Protein Name :</b>        | Sodium channel subunit beta-2   |
| <b>Human Gene Id :</b>       | 6327  |
| <b>Human Swiss Prot No :</b> | O60939  |
| <b>Mouse Gene Id :</b>       | 72821   |
| <b>Mouse Swiss Prot No :</b> | Q56A07  |
| <b>Rat Gene Id :</b>         | 25349   |
| <b>Rat Swiss Prot No :</b>   | P54900  |
| <b>Immunogen :</b>           | The antiserum was produced against synthesized peptide derived from human SCN2B. AA range:71-120                                |
| <b>Specificity :</b>         | Na <sup>+</sup> CP type II $\beta$ Polyclonal Antibody detects endogenous levels of Na <sup>+</sup> CP type II $\beta$ protein. |
| <b>Formulation :</b>         | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.   |
| <b>Source :</b>              | Polyclonal, Rabbit,IgG  |
| <b>Dilution :</b>            | WB 1:500-2000;IHC 1:50-300; ELISA 2000-20000  |
| <b>Purification :</b>        | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.           |

|                               |  |
|-------------------------------|--|
| <b>Concentration :</b>        | 1 mg/ml  |
| <b>Storage Stability :</b>    | -15°C to -25°C/1 year(Do not lower than -25°C)   |
| <b>Observed Band :</b>        | 24kD   |
| <b>Background :</b>           | The protein encoded by this gene is the beta 2 subunit of the type II voltage-gated sodium channel. The encoded protein is involved in cell-cell adhesion and cell migration. Defects in this gene can be a cause of Brugada Syndrome, atrial fibrillation, or sudden infant death syndrome. [provided by RefSeq, Jul 2015],   |
| <b>Function :</b>             | function:Crucial in the assembly, expression, and functional modulation of the heterotrimeric complex of the sodium channel. The subunit beta-2 causes an increase in the plasma membrane surface area and in its folding into microvilli. Interacts with TNR may play a crucial role in clustering and regulation of activity of sodium channels at nodes of Ranvier.,similarity:Contains 1 Ig-like C2-type (immunoglobulin-like) domain.,subunit:The sodium channel consists of a pore-forming alpha subunit, beta-1 and beta-2 subunits. Beta-1 is non-covalently associated with alpha, while beta-2 is covalently linked by disulfide bonds. Interaction with SCN10A and TNR.,tissue specificity:Brain specific., |
| <b>Subcellular Location :</b> | Membrane; Single-pass type I membrane protein.   |
| <b>Expression :</b>           | Brain specific.  |

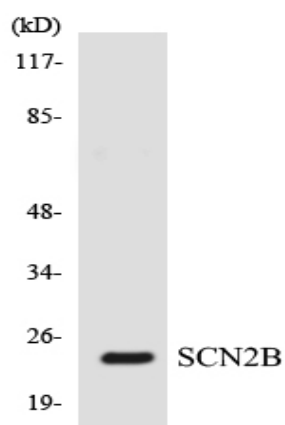
## Products Images



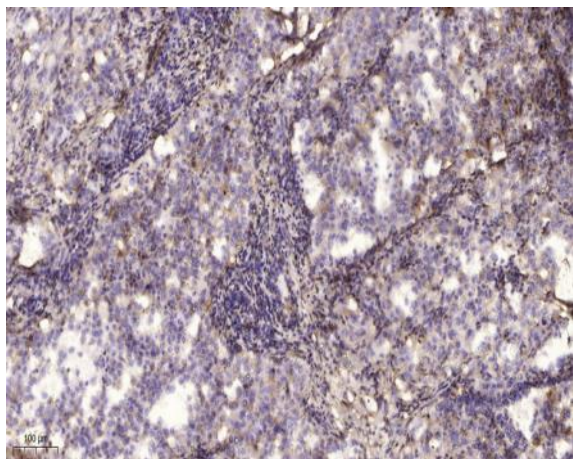
Western Blot analysis of various cells using Na<sup>+</sup> CP type IIβ Polyclonal Antibody



Western blot analysis of SCN2B Antibody. The lane on the right is blocked with the SCN2B peptide.



Western blot analysis of the lysates from HepG2 cells using SCN2B antibody.



Immunohistochemical analysis of paraffin-embedded human lung cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).