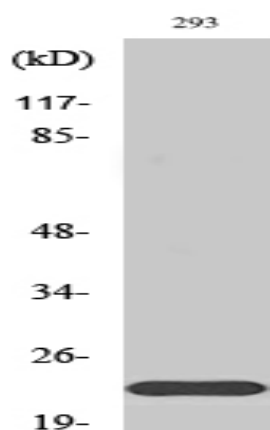


Na⁺ CP type II β Polyclonal Antibody

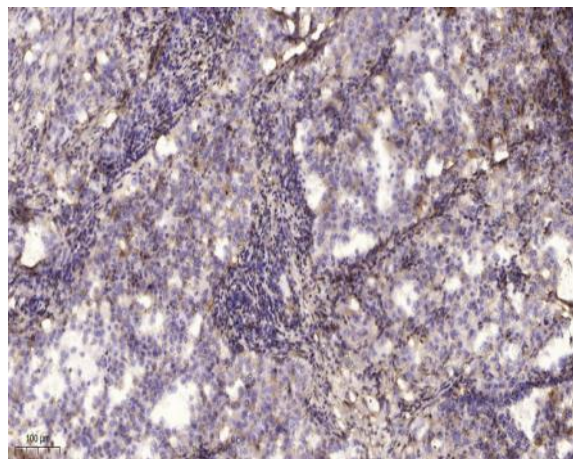
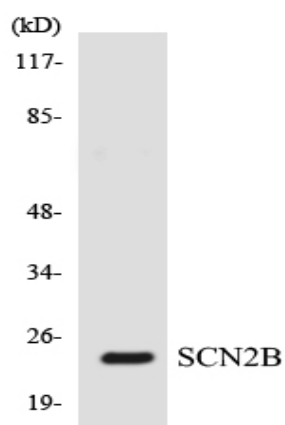
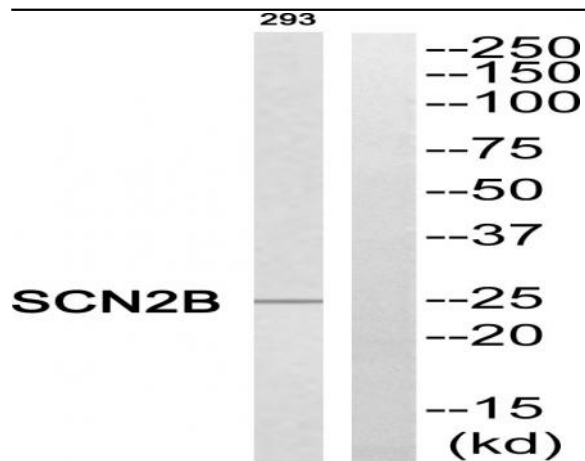
Catalog No :	YT2965
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA;IHC
Target :	SCN2B
Gene Name :	SCN2B
Protein Name :	Sodium channel subunit beta-2
Human Gene Id :	6327
Human Swiss Prot No :	O60939
Mouse Gene Id :	72821
Mouse Swiss Prot No :	Q56A07
Rat Gene Id :	25349
Rat Swiss Prot No :	P54900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

Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	24kD
Background :	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],
Function :	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.,
Subcellular Location :	Membrane; Single-pass type I membrane protein.
Expression :	Brain specific.

Products Images



Western Blot analysis of various cells using Na⁺ CP type IIβ Polyclonal Antibody



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).