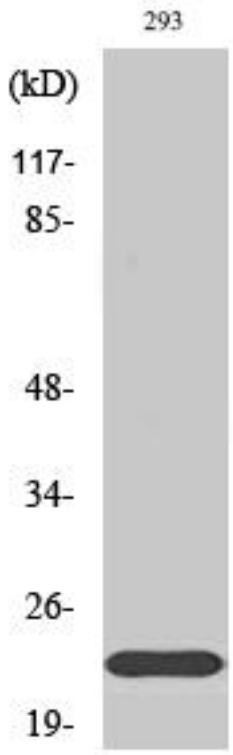
Na+ CP type IIβ Monoclonal Antibody

Catalog No	YP-mAb-16471
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	SCN2B
Immunogen	The antiserum was produced against synthesized peptide derived from human SCN2B. AA range:71-120
Specificity	Na+ CP type IIβ Monoclonal Antibody detects endogenous levels of Na+ CP type IIβ protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	HBSC II;NAC2;Scn2a;SCN2A_HUMAN;SCN2A1;SCN2A2;Sodium channel protein brain II subunit alpha;Sodium channel protein type 2 subunit alpha; Sodium channel protein type II subunit alpha;Sodium channel protein;brain II subunit alpha;Voltage gated sodium channel subunit alpha Nav1.2;Voltage-gated sodium channel subunit alpha Nav1.2;SCN2B;Sodium channel subunit beta-2
Observed Band	24kD
Calculated Molecular Weight	24kD
Cell Pathway	Membrane; Single-pass type I membrane protein.
Tissue Specificity	Brain specific.
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.,
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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



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