Best Tools for immunology Research

Na+ CP type IIα Polyclonal Antibody

Catalog No :	YT2964
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	Na+ CP type IIα
Fields :	>>Taste transduction
Gene Name :	SCN2A
Protein Name :	Sodium channel protein type 2 subunit alpha
Human Gene Id :	6326
Human Swiss Prot No :	Q99250
Rat Gene Id :	24766
Rat Swiss Prot No :	P04775
Immunogen :	Synthesized peptide derived from the Internal region of human Na+ CP type IIα.
Specificity :	Na+ CP type IIα Polyclonal Antibody detects endogenous levels of Na+ CP type IIα 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 1:100 - 1:300. ELISA: 1:40000. IF 1:50-200
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)

Molecularweight : 228kD

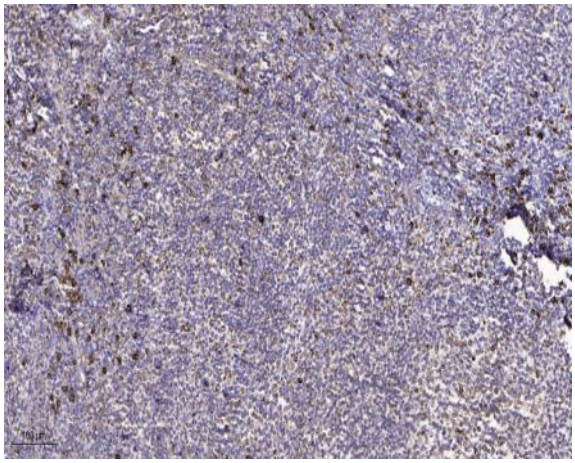
Background : Voltage-gated sodium channels are transmembrane glycoprotein complexes composed of a large alpha subunit with 24 transmembrane domains and one or more regulatory beta subunits. They are responsible for the generation and propagation of action potentials in neurons and muscle. This gene encodes one member of the sodium channel alpha subunit gene family. It is heterogeneously expressed in the brain, and mutations in this gene have been linked to several seizure disorders. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined. [provided by RefSeq, Jul 2008],

Function : disease:Defects in SCN2A are a cause of generalized epilepsy with febrile seizures plus (GEFS+) [MIM:604233]. Generalized epilepsy with febrile seizures-plus refers to a rare autosomal dominant, familial condition with incomplete penetrance and large intrafamilial variability. Patients display febrile seizures persisting sometimes beyond the age of 6 years and/or a variety of afebrile seizure types. GEFS+ is a disease combining febrile seizures, generalized seizures often precipitated by fever at age 6 years or more, and partial seizures, with a variable degree of severity.,disease:Defects in SCN2A are the cause of benign familial infantile convulsions type 3 (BFIC3) [MIM:607745]. BFIC3 is an autosomal dominant disorder in which afebrile seizures occur in clusters during the first year of life, without neurologic sequelae.,domain:The sequence contains 4 internal repeats, each with 5 hydr

Subcellular Location : Cell membrane ; Multi-pass membrane protein .

Expression : Brain,

Products Images



Immunohistochemical analysis of paraffin-embedded human tonsil. 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).