

## SCN1A/2A/3A/4A/5A/8A/9A/10A/11A/12A Antibody

Catalog No: #37231

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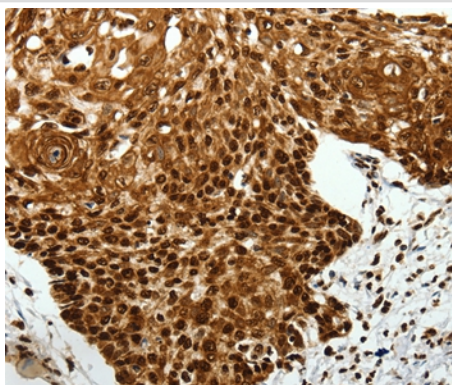
## Description

Product Name	SCN1A/2A/3A/4A/5A/8A/9A/10A/11A/12A Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	IHC
Species Reactivity	Hu Rt
Specificity	The antibody detects endogenous levels of total SCN1A/2A/3A/4A/5A/8A/9A/10A/11A/12A protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to a region derived from internal residues of human sodium channel, voltage-gated, type XI, alpha subunit
Target Name	SCN1A-2A-3A-4A-5A-8A-9A-10A-11A-12A
Other Names	NaN; SNS-2; NAV1.9; SCN12A
Accession No.	Swiss-Prot#: Q9UI33NCBI Gene ID: 11280Gene Accssion: NP_054858.2
Uniprot	Q9UI33
GeneID	11280;
Concentration	1.4mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol.
Storage	Store at -20°C

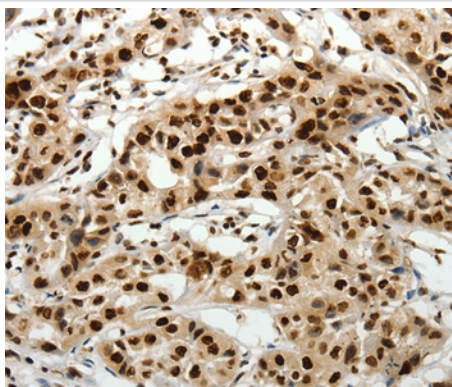
## Application Details

Immunohistochemistry: 1:50-1:200

## Images



Immunohistochemical analysis of paraffin-embedded Human cervical cancer tissue using #37231 at dilution 1/40.



Immunohistochemical analysis of paraffin-embedded Human lung cancer tissue using #37231 at dilution 1/40.

## Background

Voltage-gated sodium channels are membrane protein complexes that play a fundamental role in the rising phase of the action potential in most excitable cells. Alpha subunits, such as SCN11A, mediate voltage-dependent gating and conductance, while auxiliary beta subunits regulate the kinetic properties of the channel and facilitate membrane localization of the complex. Aberrant expression patterns or mutations of alpha subunits underlie a number of disorders. Each alpha subunit consists of 4 domains connected by 3 intracellular loops; each domain consists of 6 transmembrane segments and intra- and extracellular linkers.

Note: This product is for in vitro research use only