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Product datasheet for TA322242

SCN2A Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 25-100 Positive control: Human ovarian cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a region derived from 30-43 amino acids of human sodium channel, voltage-gated, type II, alpha subunit
Formulation:	PBS pH7.3, 0.05% NaN3, 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	sodium voltage-gated channel alpha subunit 2
Database Link:	NP_066287 Entrez Gene 24766 RatEntrez Gene 6326 Human Q99250

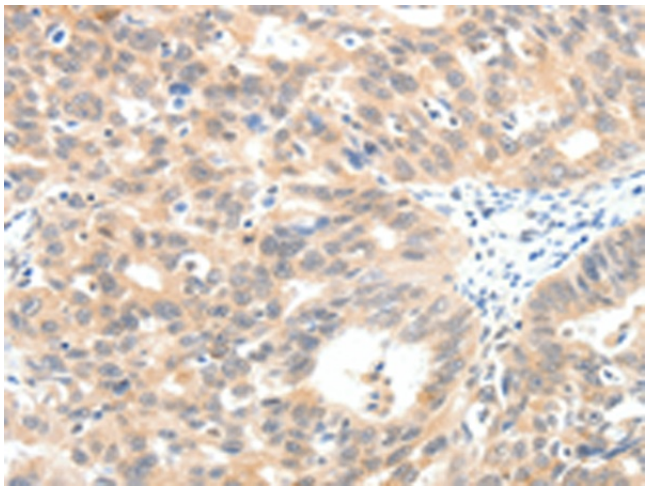
View online »

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.

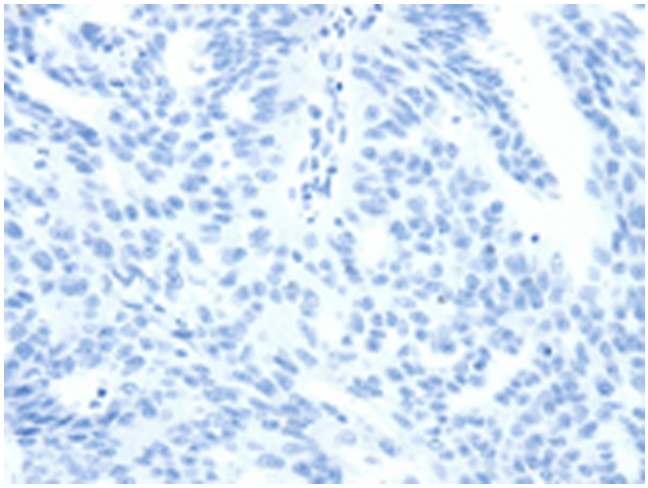
Synonyms: BFIC3; BFIS3; BFNIS; EIEE11; HBA; HBSCI; HBSCII; Na(v)1.2; NAC2; Nav1.2; SCN2A1; SCN2A2

Protein Families: Druggable Genome, Ion Channels: Sodium, Transmembrane

Product images:



Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using TA322242 (SCN2A Antibody) at dilution 1/40 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using TA322242 (SCN2A Antibody) at dilution 1/40, treated with synthetic peptide. (Original magnification: ×200)