Product Datasheet

SCN9A Antibody

Catalog No: #35056

Package Size: #35056-1 50ul #35056-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

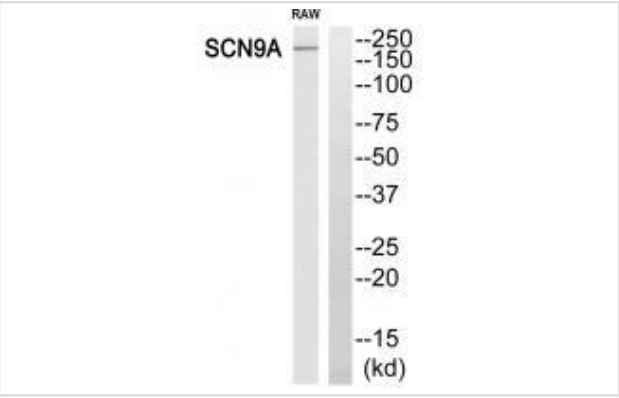
Product Name	SCN9A Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IHC
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total SCN9A protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human SCN9A.
Target Name	SCN9A
Other Names	Sodium channel protein type 9 subunit alpha; Sodium channel protein type IX subunit alpha; Voltage-gated sodium channel subunit alpha Nav1.7; Neuroendocrine sodium channel; hNE-Na
Accession No.	Swiss-Prot: Q15858NCBI Gene ID: 6335
Uniprot	Q15858
GeneID	6335;
SDS-PAGE MW	220kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

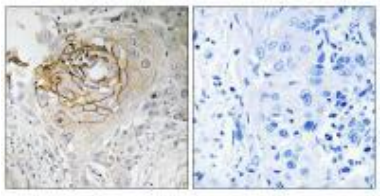
Western blotting: 1:500 - 1:2000

Immunohistochemistry: 1:100 - 1:300

Images



Western blot analysis of extracts from RAW cells, using SCN9A antiobdy #35056.



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue using SCN9A antibody #35056.

Background

Mediates the voltage-dependent sodium ion permeability of excitable membranes. Assuming opened or closed conformations in response to the voltage difference across the membrane, the protein forms a sodium-selective channel through which Na+ ions may pass in accordance with their electrochemical gradient. It is a tetrodotoxin-sensitive Na+ channel isoform. Plays a role in pain mechanisms, especially in the development of inflammatory pain By similarity.

Klugbauer N., EMBO J. 14:1084-1090(1995).
Cox J.J., Nature 444:894-898(2006).
Raymond C.K., J. Biol. Chem. 279:46234-46241(2004).

Note: This product is for in vitro research use only