



Rabbit Anti-Rat SCN1A polyclonal antibody (CABT-L1841)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	This antibody may react with (Predicted by homology) : Bovine, Rat
Target	SCN1A
Immunogen	Synthetic peptide from C-terminus of the alpha subunit of rat type 1 voltage-gated sodium channel.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Immunoaffinity purified
Conjugate	Unconjugated
Applications	IHC-P
Molecular Weight	220 kDa
Cellular Localization	Cytoplasm
Positive Control	Brain
Format	Liquid
Buffer	PBS, 1% BSA, pH 7.6
Preservative	Less than 0.1% sodium azide.
Storage	2-8°C. Do not freeze. The user must validate any other storage conditions. When properly stored, the reagent is stable to the date indicated on the label. Do not use the reagent beyond the expiration date.
Warnings	Research Use Only

BACKGROUND

Introduction

Voltage-gated sodium channels (VGSC) are present in most excitable cells. In neuronal tissue, they are responsible for generating and propagating action potentials. Brain VGSCs are heteromers of $\alpha\beta1\beta2$ subunits. Of these, the α subunit forms the channel pore. This antibody recognizes the alpha subunit of type I voltage-gated sodium channel.

Keywords

SCN1A;sodium channel, voltage-gated, type I, alpha;sodium channel protein type 1 subunit alpha;sodium channel protein type I subunit alpha;sodium channel protein brain I subunit alpha;sodium channel protein, brain I subunit alpha;voltage-gated sodium channel subunit alpha Nav1.1;sodium channel voltage-gated type I alpha polypeptide;sodium channel, voltage-gated, type 1, alpha polypeptide;sodium channel, voltage-gated, type I, alpha polypeptide

GENE INFORMATION

Entrez Gene ID[6323](#)**UniProt ID**[P04774](#)