

Product datasheet for **TA355736**

SCN7A Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the N-terminal region of human SCN7A
Specificity:	Expected reactivity: Dog, Guinea Pig, Human, Mouse, Rat Homology: Dog: 79%; Guinea Pig: 80%; Human: 100%; Mouse: 79%; Rat: 79%
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	83kDa
Gene Name:	sodium voltage-gated channel alpha subunit 7
Database Link:	NP_002967.2 Entrez Gene 6332 Human Q01118



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Background:

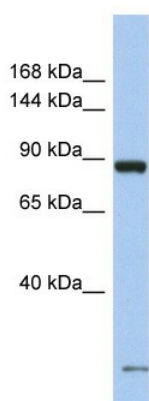
This gene encodes one of the many voltage-gated sodium channel proteins. For proper functioning of neurons and muscles during action potentials, voltage-gated sodium channels direct sodium ion diffusion for membrane depolarization. This sodium channel protein has some atypical characteristics; the similarity between the human and mouse proteins is lower compared to other orthologous sodium channel pairs. Also, the S4 segments, which sense voltage changes, have fewer positive charged residues than in other sodium channels; domain 4 has fewer arginine and lysine residues compared to other sodium channel proteins. Several alternatively spliced transcript variants exist, but the full-length nature of all of them remain unknown.

Synonyms:

OTTHUMP00000205008; SCN6A

Protein Families:

Druggable Genome, Ion Channels: Other, Transmembrane

Product images:

Host: Rabbit
Target Name: SCN7A
Sample Type: Fetal Thymus lysates
Antibody Dilution: 1.0ug/ml