

**SCN2A Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP57304****Specification**

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**SCN2A Polyclonal Antibody - Product Information**

Application	<b>IHC-P, IHC-F, IF</b>
Primary Accession	<a href="#">O99250</a>
Reactivity	<b>Rat, Pig, Dog, Cow</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>227975</b>

**SCN2A Polyclonal Antibody - Additional Information****Gene ID** 6326**Other Names**

Sodium channel protein type 2 subunit alpha, HBSC II, Sodium channel protein brain II subunit alpha, Sodium channel protein type II subunit alpha, Voltage-gated sodium channel subunit alpha Nav1.2, SCN2A, NAC2, SCN2A1, SCN2A2

**Format**

0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**SCN2A Polyclonal Antibody - Protein Information****Name** SCN2A**Synonyms** NAC2, SCN2A1, SCN2A2**Function**

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 (PubMed:<a href="http://www.uniprot.org/citations/1325650" target="\_blank">1325650</a>, PubMed:<a href="http://www.uniprot.org/citations/17021166" target="\_blank">17021166</a>, PubMed:<a href="http://www.uniprot.org/citations/28256214" target="\_blank">28256214</a>, PubMed:<a href="http://www.uniprot.org/citations/29844171" target="\_blank">29844171</a>). Implicated in the regulation of hippocampal replay occurring within sharp wave ripples (SPW-R) important for memory (By similarity).

**Cellular Location**

Cell membrane; Multi-pass membrane protein

**SCN2A Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)