10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Pcsk1n Antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14369

Specification

Pcsk1n Antibody - N-terminal region - Product Information

Application	**WB**
Primary Accession	Q9QXU9
Other Accession	NM_019279, NP_062152
Reactivity	**Human, Mouse, Rat, Bovine, Guinea Pig, Dog**
Predicted	**Human, Mouse, Rat, Pig, Bovine, Guinea Pig, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**28kDa KDa**

Pcsk1n Antibody - N-terminal region - Additional Information

Gene ID 246333

Alias Symbol	**Saas**

Other Names
ProSAAS, Proprotein convertase subtilisin/kexin type 1 inhibitor, Proprotein convertase 1 inhibitor, pro-SAAS, KEP, Big SAAS, b-SAAS, Little SAAS, l-SAAS, Big PEN-LEN, b-PEN-LEN, SAAS CT(1-49), PEN, PEN-20, Little LEN, l-LEN, Big LEN, b-LEN, SAAS CT(25-40), Pcsk1n

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
Add 50 ul of distilled water. Final anti-Pcsk1n antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions
Pcsk1n Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Pcsk1n Antibody - N-terminal region - Protein Information

Name Pcsk1n

Function
May function in the control of the neuroendocrine secretory pathway. Proposed be a specific endogenous inhibitor of PCSK1 (PubMed:10632593, PubMed:10816562). ProSAAS and Big PEN-LEN, both containing the C-terminal inhibitory domain, but not the processed peptides reduce PCSK1 activity in the endoplasmic

reticulum and Golgi. It reduces the activity of the 87 kDa form but not the autocatalytically derived 65 kDa form of PCSK1. Subsequent processing of proSAAS may eliminate the inhibition. Slows down convertase-mediated processing of proopiomelanocortin and proenkephalin. May control the intracellular timing of PCSK1 rather than its total level of activity (By similarity).

Cellular Location
Secreted {ECO:0000250|UniProtKB:Q9QXV0}. Golgi apparatus, trans-Golgi network {ECO:0000250|UniProtKB:Q9QXV0}

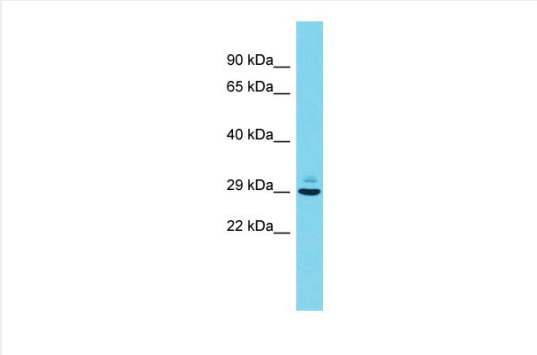
Tissue Location
Expressed in adult brain (all major structural regions), adrenal gland (medulla) and spinal cord (dorsal and ventral horn). Expressed in pancreatic islands.

Pcsk1n Antibody - N-terminal region - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Pcsk1n Antibody - N-terminal region - Images



Host: Rabbit
Target Name: Pcsk1n
Sample Tissue: Rat Thymus lysates
Antibody Dilution: 1.0µg/ml

Pcsk1n Antibody - N-terminal region - References

Fricker L.,et al.J. Neurosci. 20:639-648(2000).
Donadel G.,et al.Neuroendocrinology 67:190-196(1998).
Qian Y.,et al.J. Biol. Chem. 275:23596-23601(2000).
Mzhavia N.,et al.Biochem. J. 361:67-76(2002).
Morgan D.J.,et al.J. Neurochem. 93:1454-1462(2005).