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PCSK1N / PROSAAS Antibody (aa182-193)

Goat Polyclonal Antibody
Catalog # ALS16157

Specification

PCSK1N / PROSAAS Antibody (aa182-193) - Product Information

Application	**IHC-P, E**
Primary Accession	Q9UHG2
Reactivity	**Human, Monkey**
Host	**Goat**
Clonality	**Polyclonal**
Calculated MW	**27kDa KDa**
Dilution	**IHC-P~~N/A** **E~~N/A**

PCSK1N / PROSAAS Antibody (aa182-193) - Additional Information

Gene ID 27344

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, N-proSAAS, Big PEN-LEN, b-PEN-LEN, SAAS CT(1-49), PEN, Little LEN, l-LEN, Big LEN, b-LEN, SAAS CT(25-40), PCSK1N

Target/Specificity
Human PCSK1N / PROSAAS.

Reconstitution & Storage
Store at -20°C. Minimize freezing and thawing.

Precautions
PCSK1N / PROSAAS Antibody (aa182-193) is for research use only and not for use in diagnostic or therapeutic procedures.

PCSK1N / PROSAAS Antibody (aa182-193) - Protein Information

Name PCSK1N

Function
May function in the control of the neuroendocrine secretory pathway. Proposed be a specific endogenous inhibitor of PCSK1. ProSAAS and Big PEN-LEN, both containing the C-terminal inhibitory domain, but not the further processed peptides reduce PCSK1 activity in the endoplasmic reticulum and Golgi. It reduces the activity of the 84 kDa form but not the autocatalytically derived 66 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}. Note=A N-terminal processed peptide, probably Big SAAS or Little SAAS, is accumulated in cytoplasmic protein tau deposits in frontotemporal dementia and parkinsonism linked to chromosome 17 (Pick disease), Alzheimer disease and amyotrophic lateral sclerosis- parkinsonism/dementia complex 1 (Guam disease)

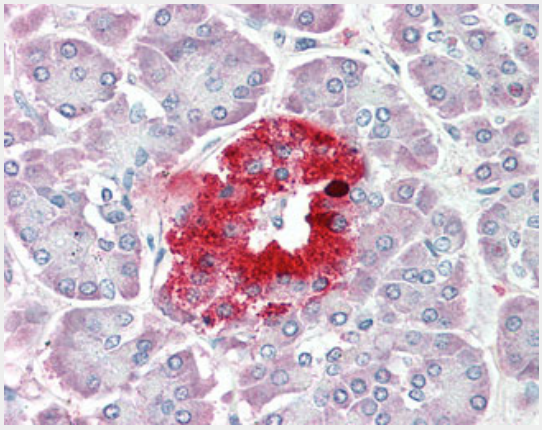
Tissue Location
Expressed in brain and pancreas.

PCSK1N / PROSAAS Antibody (aa182-193) - 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 / PROSAAS Antibody (aa182-193) - Images



Anti-PCSK1N / PROSAAS antibody IHC staining of human pancreas.

PCSK1N / PROSAAS Antibody (aa182-193) - Background

May function in the control of the neuroendocrine secretory pathway. Proposed be a specific endogenous inhibitor of PCSK1. ProSAAS and Big PEN-LEN, both containing the C-terminal inhibitory domain, but not the further processed peptides reduce PCSK1 activity in the endoplasmic reticulum and Golgi. It reduces the activity of the 84 kDa form but not the autocatalytically derived 66 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. The function of the processed secreted peptides is not known (By similarity).

PCSK1N / PROSAAS Antibody (aa182-193) - References

Fricker L.,et al.J. Neurosci. 20:639-648(2000).

Basak A.,et al.J. Biol. Chem. 276:32720-32728(2001).
Kikuchi K.,et al.Biochem. Biophys. Res. Commun. 308:646-654(2003).
Wada M.,et al.Neurosci. Lett. 356:49-52(2004).
Nilsson J.,et al.Nat. Methods 6:809-811(2009).