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proSAAS Antibody (internal region)

Peptide-affinity purified goat antibody

Catalog # AF4054a

Specification

proSAAS Antibody (internal region) - Product Information

Application	**E**
Primary Accession	Q9UHG2
Other Accession	NP_037403.1, 27344, 30052 (mouse)
Predicted	**Human, Mouse**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**27372**

proSAAS Antibody (internal region) - 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

Format
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
proSAAS Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

proSAAS Antibody (internal region) - 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.

proSAAS Antibody (internal 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

proSAAS Antibody (internal region) - Images

proSAAS Antibody (internal region) - References

A human granin-like neuroendocrine peptide precursor (proSAAS) immunoreactivity in tau inclusions of Alzheimer's disease and parkinsonism-dementia complex on Guam. Wada M, Ren CH, Koyama S, Arawaka S, Kawakatsu S, Kimura H, Nagasawa H, Kawanami T, Kurita K, Daimon M, Hirano A, Kato T. Neurosci Lett. 2004 Feb 6;356(1):49-52. PMID: 14746899