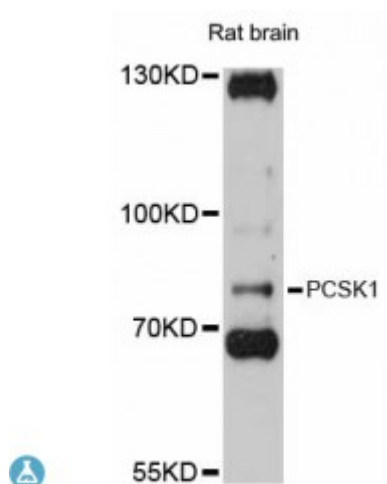


Anti-PCSK1 Antibody



Description

This gene encodes a member of the subtilisin-like proprotein convertase family, which includes proteases that process protein and peptide precursors trafficking through regulated or constitutive branches of the secretory pathway. The encoded protein undergoes an initial autocatalytic processing event in the ER to generate a heterodimer which exits the ER and sorts to subcellular compartments where a second autocatalytic event takes place and the catalytic activity is acquired. The protease is packaged into and activated in dense core secretory granules and expressed in the neuroendocrine system and brain. This gene encodes one of the seven basic amino acid-specific members which cleave their substrates at single or paired basic residues. It functions in the proteolytic activation of polypeptide hormones and neuropeptides precursors. Mutations in this gene have been associated with susceptibility to obesity and proprotein convertase 1/3 deficiency. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene

Model	STJ114128
Host	Rabbit
Reactivity	Rat
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 604-753 of human PCSK1 (NP_000430.3).
Gene ID	5122
Gene Symbol	PCSK1
Dilution range	WB 1:500 - 1:2000

Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Neuroendocrine convertase 1 NEC 1
Molecular Weight	84.152 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:8743OMIM:162150Reactome:R-HSA-209952
Alternative Names	Neuroendocrine convertase 1 NEC 1
Function	Involved in the processing of hormone and other protein precursors at sites comprised of pairs of basic amino acid residues, Substrates include POMC, renin, enkephalin, dynorphin, somatostatin, insulin and AGRP,
Cellular Localization	Cytoplasmic vesicle, secretory vesicle,
Post-translational Modifications	O-glycosylated,

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