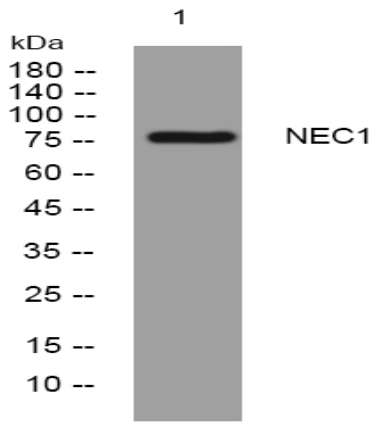
Best Tools for immunology Research

NEC1 rabbit pAb

Catalog No :	YT6404
Reactivity :	Human;Mouse;Rat
Applications :	WB
Target :	NEC1
Gene Name :	PCSK1 NEC1
Protein Name :	NEC1
Human Gene Id :	5122
Human Swiss Prot No :	P29120
Mouse Gene Id :	18548
Mouse Swiss Prot No :	P63239
Rat Gene Id :	100911216
Rat Swiss Prot No :	P28840
Immunogen :	Synthesized peptide derived from human NEC1 AA range: 125-175
Specificity :	This antibody detects endogenous levels of NEC1 at Human/Mouse/Rat
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1□500-2000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	83kD
Background :	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 even 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 [provided by RefSeq, Jan 2014],
Function :	catalytic activity:Release of protein hormones, neuropeptides and renin from their precursors, generally by hydrolysis of -Lys-Arg-|- bonds.,cofactor:Calcium.,disease:Defects in PCSK1 are the cause of proprotein convertase 1 deficiency (PC1 deficiency) [MIM:600955]. PC1 deficiency is characterized by obesity, hypogonadism, hypoadrenalism, reactive hypoglycemia as well as marked small-intestinal absorptive dysfunction It is due to impaired processing of prohormones.,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 and insulin.,polymorphism:Genetic variations in PCSK1 define the body mass index quantitative trait locus 12 (BMIQ12) [MIM:612362]. Variance in body mass index is a susceptibility factor for obesity.,similarity:Belongs to the pe
Subcellular Location :	Cytoplasmic vesicle, secretory vesicle. Localized in the secretion granules.
Sort :	10650
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

Products Images



Western blot analysis of lysates from 293T cells, primary antibody was diluted at 1:1000, 4°over night