

**Product Name: PCSK1 Rabbit Monoclonal Antibody****Catalog #: AMRe87681**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC/IF,FC,IP
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% protective protein. Stable for 12 months from date of receipt.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,IHC 1:200-1:500,ICC/IF 1:100-1:200,FC 1:20-1:50,IP 1:20-1:50
<b>Molecular Weight</b>	Calculated MW:84 kDa; Observed MW:70 kDa

**Antigen Information**

<b>Gene Name</b>	PCSK1
<b>Alternative Names</b>	PC1; PC3; NEC1; SPC3; PC1/3; BMIQ12
<b>Gene ID</b>	5122, 18548, 25204
<b>SwissProt ID</b>	P29120, P63239, P28840
<b>Immunogen</b>	Recombinant protein of human PCSK1

**Background**

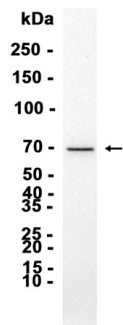
This gene encodes a member of the subtilisin-like proprotein convertase family, which includes proteases that process protein

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]

## Research Area

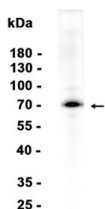
## Image Data

Mouse small intestine



Western blot analysis of extracts from Mouse small intestine tissue using PCSK1 Rabbit Monoclonal Antibody at 1:1000.

Mouse brain



Western blot analysis of extracts from Mouse brain tissue using AMRe87681 at 1:100.