

Rabbit PCSK2 Polyclonal Antibody | anti-PCSK2 antibody

PCSK2 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285076	Rabbit	Human, mouse (Predicted Reactivity: Pig, Rat)	Flow Cytometry, Functional Assay, Western Blot, Immunofluorescence, Immunohistochemistry, ELISA

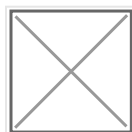
PRODUCT SYNONYMS

PCSK2; Polyclonal Antibody; PCSK2 Antibody (N-term); Neuroendocrine convertase 2; NEC 2; KEX2-like endoprotease 2; Prohormone convertase 2; Proprotein convertase 2; PC2; NEC2; anti-PCSK2 antibody

PRODUCT SPECIFICATIONS

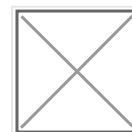
Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Pig, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PCSK2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 87-116 amino acids from the N-terminal region of human PCSK2.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	87-116
Sequence Length	619
Applicable Applications for anti-PCSK2 antibody	FCM/FACS (Flow Cytometry), WB (Western Blot), IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Function	Involved in the processing of hormone and other protein precursors at sites comprised of pairs of basic amino acid residues. Responsible for the release of glucagon from proglucagon in pancreatic A cells. Cellular Location
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

PCSK2 Antibody (N-term) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



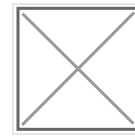
IF (Immunofluorescence)

Confocal immunofluorescent analysis of PCSK2 Antibody (N-term) with 293 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



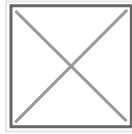
IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human brain tissue reacted with PCSK2 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of PCSK2 Antibody (N-term) in mouse cerebellum tissue lysates (35ug/lane). PCSK2 (arrow) was detected using the purified Pab.



Application Data

Anti-PCSK2 Antibody (N-term) at 1:1000 dilution + TT whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 71 kDa Blocking/Dilution buffer: 5% NFD/MTBST.

ADDITIONAL INFORMATION

Related Product Information for anti-PCSK2 antibody	PCSK2 belongs to the subtilisin-like proprotein convertase family. The members of this family are proprotein convertases that process latent precursor proteins into their biologically active products. This protein is a proinsulin-processing enzyme that plays a key role in regulating insulin biosynthesis. The protein is also known to cleave proopiomelanocortin, proenkephalin, prodynorphin and proluteinizing-hormone-releasing hormone.
Product Categories/Family for anti-PCSK2 antibody	Cancer ; Cell Biology ; Neuroscience ; Signal Transduction
References	Leak,T.S., Keene,K.L. Mol. Genet. Metab. 92 (1-2), 145-150 (2007) Shen,X., Li,Q.L. Am. J. Physiol. Endocrinol. Metab. 288 (1), E236-E245 (2005) Tzimas,G.N., Chevet,E. BMC Cancer 5, 149 (2005) Seidah,N.G., Mattei,M.G. Genomics 11 (1), 103-107 (1991)

NCBI AND UNIPROT INFORMATION

NCBI GI #	320118926
NCBI GeneID	5126
NCBI Accession #	NP_001188457.1; NP_001188458.1; NP_002585.2
NCBI GenBank Nucleotide #	NM_001201528.1
UniProt Accession #	P16519; Q14927; Q5JYQ1; Q8IWA8; Q9NQG3; Q9NUG1; Q9UJC6; B1ANH9; B4DFQ3; AAB32656
Molecular Weight	70565
NCBI Official Full Name	neuroendocrine convertase 2 isoform 3
NCBI Official Synonym Full Names	proprotein convertase subtilisin/kexin type 2
NCBI Official Symbol	PCSK2
NCBI Official Synonym Symbols	PC2; NEC2; SPC2; NEC 2; NEC-2
NCBI Protein Information	neuroendocrine convertase 2
UniProt Protein Name	Neuroendocrine convertase 2
UniProt Gene Name	PCSK2
UniProt Synonym Gene Names	NEC2; NEC 2; PC2
UniProt Entry Name	NEC2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pcsk2-antibody-flow-cytometry-western-blot-immunofluorescence-immunohistochemistry-elisa/285076>