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PCSK2 Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7617A

Specification

PCSK2 Antibody (N-term) - Product Information

Application	**IF, WB, IHC-P, FC,E**
Primary Accession	P16519
Other Accession	P28841, Q03333, P21661
Reactivity	**Human, Mouse**
Predicted	**Pig, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**70565**
Antigen Region	**87-116**

PCSK2 Antibody (N-term) - Additional Information

Gene ID 5126

Other Names
Neuroendocrine convertase 2, NEC 2, KEX2-like endoprotease 2, Prohormone convertase 2, Proprotein convertase 2, PC2, PCSK2, NEC2

Target/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.

Dilution
IF~~1:10~50
WB~~1:1000
IHC-P~~1:10~50
FC~~1:10~50

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.

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

Precautions
PCSK2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

PCSK2 Antibody (N-term) - Protein Information

Name PCSK2

Synonyms NEC2

Function Serine endopeptidase which is 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.

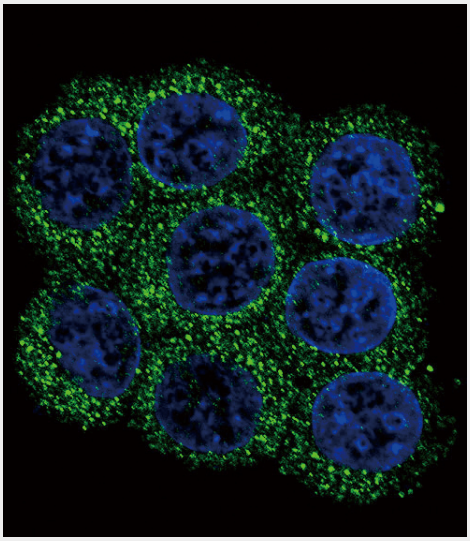
Cellular Location
Cytoplasmic vesicle, secretory vesicle. Secreted. Note=Localized in the secretion granules

PCSK2 Antibody (N-term) - 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

PCSK2 Antibody (N-term) - Images



Confocal immunofluorescent analysis of PCSK2 Antibody (N-term)(Cat#AP7617a) with 293 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit lgG (green). DAPI was used to stain the cell nuclear (blue).

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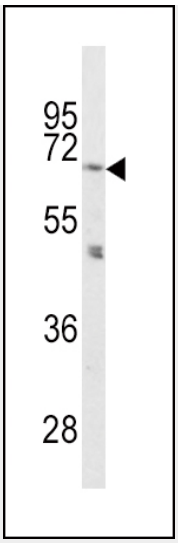
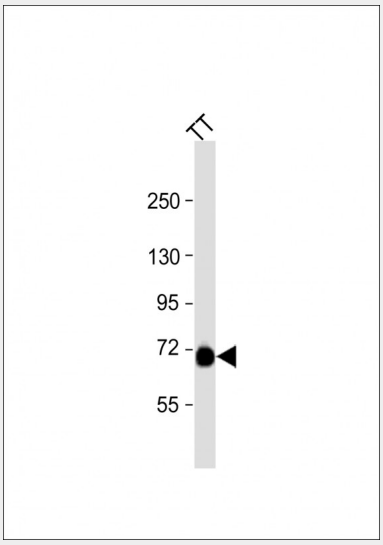


Western blot analysis of PCSK2 Antibody (N-term) (Cat. #AP7617a) in mouse cerebellum tissue lysates (35ug/lane). PCSK2 (arrow) was detected using the purified Pab.



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% NFDM/TBST.

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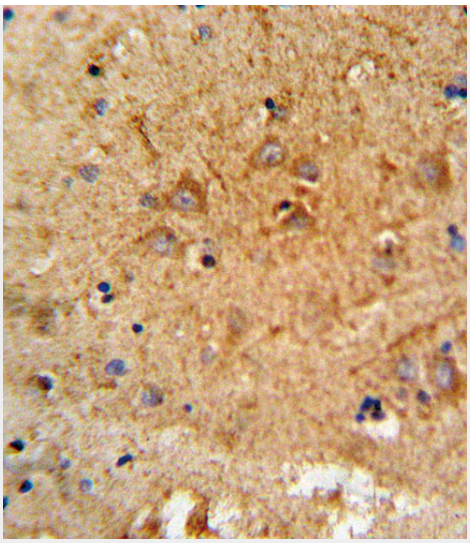
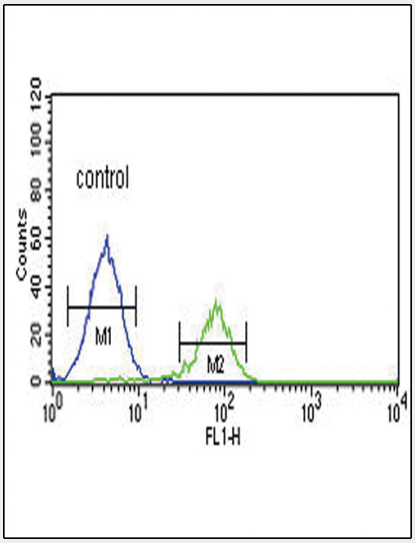


Formalin-fixed and paraffin-embedded human brain tissue reacted with PCSK2 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



PCSK2 Antibody (N-term) (Cat. #AP7617a) 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.

PCSK2 Antibody (N-term) - Background

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.

PCSK2 Antibody (N-term) - 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)
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