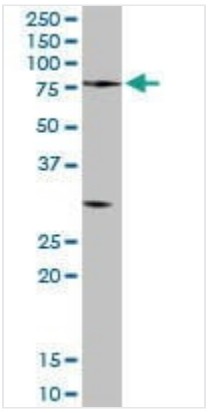
# PCSK2 Antibody – Rabbit Polyclonal

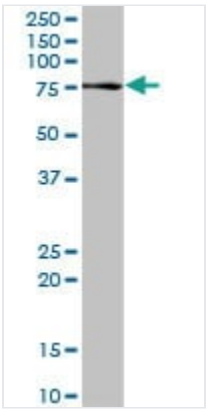
## PRODUCT OVERVIEW

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|---|---|
| **Product Name** | PCSK2, Polyclonal Antibody |
| **Full Product Name** | PCSK2 (Neuroendocrine Convertase 2, NEC 2, KEX2-like Endoprotease 2, Prohormone Convertase 2, Proprotein Convertase 2, PC2, NEC2) (Biotin) |
| **Product Gene Name** | anti-PCSK2 antibody |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Host** | Rabbit |
| **Species Reactivity** | Human, Mouse |
| **Form/Format** | Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin. |
| **Purity/Purification** | Purified by Protein A Affinity Chromatography. |
| **Specificity** | Recognizes human PCSK2. Species Crossreactivity: mouse. |
| **Preparation and Storage** | Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor |
| **Molecular Weight** | 68,580 Da |
| **OMIM** | 162151 |
| **3D Structure** | ModBase 3D Structure for P16519 |
| **Immunogen** | Full length human PCSK2, aa1-638 (NP_002585.2). |
| **Immunogen Sequence** | MKGGCVSQWKAAAGFLFCVMVFASAERPVFTNHFLVELHKGGEDKARQVAAEHGFGVRKLPFAEGLYHFYHNGLAKAKRRRSLHHKQQLERDPRVKM |
| **Conjugate** | Biotin |
| **Note** | Preservative Free |
| **Product Categories/Family for anti-PCSK2 antibody** | Antibodies; Enzymes |
| **Applications Tested/Suitable for anti-PCSK2 antibody** | Western Blot (WB) |
| **Application Notes for anti-PCSK2 antibody** | Applications are based on unconjugated antibody. |
| **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 |
| **Other Notes** | Small volumes of anti-PCSK2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces |

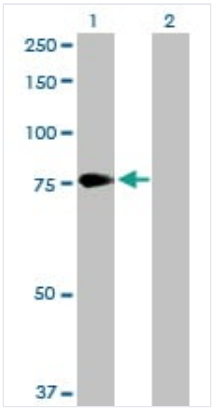
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| **Searchable Terms for PCSK2 purchase** | MBS6388648 is an antibody targeting PCSK2. Also known as PCSK2 (Neuroendocrine Convertase 2, NEC 2, KEX2-like Endoprotease 2, Prohormone |




**Western Blot (WB) of anti-PCSK2 antibody**
PCSK2 rabbit polyclonal antibody. Western Blot analysis of PCSK2 expression in human liver.




**Western Blot (WB) of anti-PCSK2 antibody**
PCSK2 rabbit polyclonal antibody. Western Blot analysis of PCSK2 expression in mouse liver.




**Western Blot (WB) of anti-PCSK2 antibody**
Western Blot analysis of PCSK2 expression in transfected 293T cell line by PCSK2 polyclonal antibody. Lane 1: PCSK2 transfected lysate (70.6kD). Lane 2: Non-transfected lysate

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PCSK2. It may not necessarily be applicable to this product.

| | |
|---|---|
| **NCBI GI #** | 20336244 |
| **NCBI GeneID** | 5126 |
| **NCBI Accession #** | NP_002585.2 |
| **UniProt Primary Accession #** | P16519 |
| **UniProt Secondary Accession #** | Q14927; Q5JYQ1; Q8IWA8; Q9NQG3; Q9NUG1; Q9UJC6; B1ANH9; B4DFQ3 |
| **UniProt Related Accession #** | P16519 |
| **GenBank Nucleotide #** | NM_002594.2 |
| **NCBI Official Full Name** | neuroendocrine convertase 2 isoform 1 preproprotein |
| **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 |

| | |
|---|---|
| **UniProt Protein Name** | Neuroendocrine convertase 2 |
| **UniProt Synonym Protein Names** | KEX2-like endoprotease 2; Prohormone convertase 2; Proprotein convertase 2; PC2 |
| **Protein Family** | Neuroendocrine convertase |
| **UniProt Gene Name** | PCSK2 |
| **UniProt Synonym Gene Names** | NEC2; NEC 2; PC2 |
| **UniProt Entry Name** | NEC2_HUMAN |
| **NCBI Protein Information** | neuroendocrine convertase 2 |
| **NCBI Summary for PCSK2** | 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 protein undergoes an initial autocatalytic processing event and interacts with a neuroendocrine secretory protein in the ER, exits the ER and sorts to secretory granules, where it is cleaved and catalytically activated during intracellular transport. The encoded 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. Single nucleotide polymorphisms in this gene may increase susceptibility to myocardial infarction and type 2 diabetes. This gene may also play a role in tumor development and progression. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jan 2014] |
| **UniProt Comments for PCSK2** | PCSK2: Involved in the processing of hormone and other protein precursors at sites comprised of pairs of basic amino acid residues. Belongs to the peptidase S8 family. Furin subfamily. 2 isoforms of the human protein are produced by alternative splicing.<br><br>Protein type: Protease; EC 3.4.21.94<br><br>Chromosomal Location of Human Ortholog: 20p11.2<br><br>Cellular Component: extracellular space; transport vesicle; membrane; dendrite; perikaryon<br><br>Molecular Function: protein binding; serine-type endopeptidase activity; protein complex binding<br><br>Biological Process: insulin processing; nervous system development; protein autoprocessing; cellular protein metabolic process; proteolysis |
| **Research Articles on PCSK2** | **1.** PCSK2 gene polymorphisms are associated with pleiotropic effects on various traits of glucose homeostasis and incident diabetes. |
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