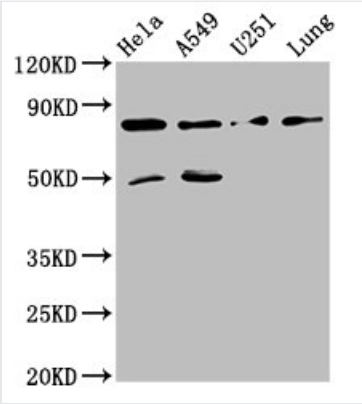
PCSK2 Antibody – Rabbit Polyclonal

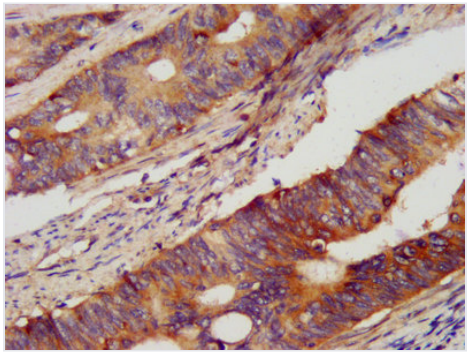
PRODUCT OVERVIEW

Product Name	PCSK2, Polyclonal Antibody
Full Product Name	PCSK2 Antibody
Product Gene Name	anti-PCSK2 antibody
Product Synonym Names	Neuroendocrine convertase 2; NEC 2; KEX2-like endoprotease 2; Prohormone convertase 2; Proprotein convertase 2; PC2; PCSK2; NEC2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid
Purity/Purification	>95%, Protein G purified
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: PCSK2 (MBS7107027) HRP Conjugated Antibody: PCSK2 (MBS7107028)
Matching Pairs	Unconjugated Antibody: PCSK2 (MBS7107027) FITC Conjugated Antibody: PCSK2 (MBS7107029)
Matching Pairs	Unconjugated Antibody: PCSK2 (MBS7107027) Biotin Conjugated Antibody: PCSK2 (MBS7107030)
Molecular Weight	68,580 Da
OMIM	J05252 mRNA
3D Structure	ModBase 3D Structure for P16519
Immunogen	Recombinant Human Neuroendocrine convertase 2 protein (267-391AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Product Categories/Family for anti-PCSK2 antibody	Neuroscience; Cell biology; Metabolism; Signal transduction
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-PCSK2 antibody	ELISA (EIA), Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-PCSK2 antibody	WB: 1:500-1:5000 IHC: 1:200-1:500
Related Product Information for anti-PCSK2 antibody	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.

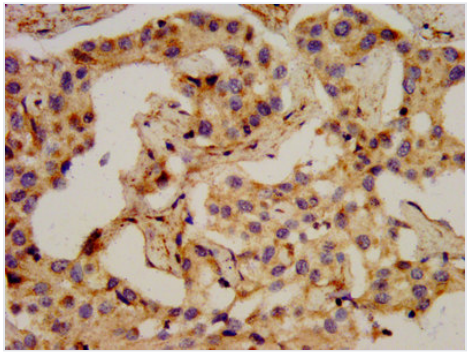
Other Notes	Small volumes of anti-PCSK2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PCSK2 purchase	MBS7107027 is an antibody targeting PCSK2. Also known as PCSK2 Antibody. Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-PCSK2 antibody
Western BlotPositive WB detected in: Hela whole cell lysate, A549 whole cell lysate, U251 whole cell lysate, Mouse lung tissueAll lanes: Pcsk1 antibody at 8ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 85 KDaObserved band size: 85 KDa



Immunohistochemistry (IHC) of anti-PCSK2 antibody
IHC image of MBS7107027 diluted at 1:400 and staining in paraffin-embedded human colon cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Immunohistochemistry (IHC) of anti-PCSK2 antibody
IHC image of MBS7107027 diluted at 1:400 and staining in paraffin-embedded human liver cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

ADDITIONAL DETAILS

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

NCBI GI #	320118926
NCBI GeneID	5126
NCBI Accession #	NP_001188457.1
UniProt Primary Accession #	P16519
UniProt Secondary Accession #	Q14927; Q5JYQ1; Q8IWA8; Q9NQG3; Q9NUG1; Q9UJC6; B1ANH9; B4DFQ3
UniProt Related Accession #	P16519
GenBank Nucleotide #	NM_001201528.1
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
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
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]
Research Articles on PCSK2	**1.** PCSK2 gene polymorphisms are associated with pleiotropic effects on various traits of glucose homeostasis and incident diabetes.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-mouse-antibody/pcsk2/7107027