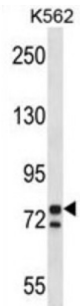
# Proprotein Convertase Subtilisin/Kexin Type 7 (PCSK7) Antibody

Catalogue No.:abx027762




The protein encoded by this gene 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 encoded protein is a calcium-dependent serine endoprotease. It is structurally related to its family members, PACE and PACE4. This protein is concentrated in the trans-Golgi network, associated with the membranes, and is not secreted. It can process proalbumin and is thought to be responsible for the activation of HIV envelope glycoproteins gp160 and gp140. This gene has been implicated in the transcriptional regulation of housekeeping genes. Multiple alternatively spliced transcripts are described for this gene but their full length nature is not yet known. Downstream of this gene's map location at 11q23-q24, nucleotides that match part of this gene's 3' end are duplicated and inverted. A translocation breakpoint associated with lymphoma occurs between this gene and its inverted counterpart.

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| **Target:** | Proprotein Convertase Subtilisin/Kexin Type 7 (PCSK7) |
| **Clonality:** | Polyclonal |
| **Reactivity:** | Human |
| **Tested Applications:** | ELISA, WB |
| **Host:** | Rabbit |
| **Recommended dilutions:** | WB: 1/1000. Optimal dilutions/concentrations should be determined by the end user. |
| **Conjugation:** | Unconjugated |
| **Immunogen:** | KLH-conjugated synthetic peptide between 692-721 amino acids from the C-terminal region of human PCSK7. |
| **Isotype:** | IgG |
| **Form:** | Liquid |
| **Purification:** | Purified through a protein A column, followed by peptide affinity purification. |
| **Storage:** | Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles. |




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| **UniProt Primary AC:** | Q16549 (UniProt, ExPASy) |
| **Gene Symbol:** | PCSK7 |
| **GeneID:** | 9159 |
| **OMIM:** | 604872 |
| **HGNC:** | 8748 |
| **KEGG:** | hsa:9159 |
| **Ensembl:** | ENSG00000160613 |
| **String:** | 9606.ENSP00000325917 |
| **Molecular Weight:** | Calculated MW: 86.2 kDa |
| **Buffer:** | PBS containing 0.09% sodium azide. |
| **Note:** | THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION. |




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