

Datasheet for ABIN391909  
**anti-PCSK2 antibody (AA 318-346)**

## 3 Images

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## Overview

Quantity:	400 µL
Target:	PCSK2
Binding Specificity:	AA 318-346
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PCSK2 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This PCSK2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 318-346 amino acids from the Central region of human PCSK2.
Clone:	RB18544
Isotype:	Ig Fraction
Predicted Reactivity:	B, M, Pig, Rat
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

## Target Details

Target:	PCSK2
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## Target Details

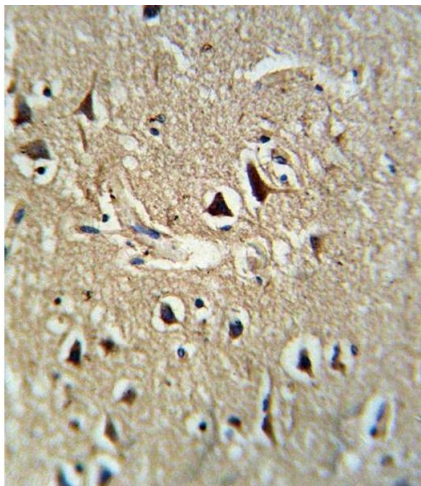
Alternative Name:	PCSK2 ( <a href="#">PCSK2 Products</a> )
Background:	PCSK2 belongs to the subtilisin-like proprotein convertase family. The members of this family are proprotein convertases that process latent precursor proteins into their biologically active products. This protein is a proinsulin-processing 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.
Molecular Weight:	70565
Gene ID:	5126
NCBI Accession:	<a href="#">NP_001188457</a> , <a href="#">NP_001188458</a> , <a href="#">NP_002585</a>
UniProt:	<a href="#">P16519</a>
Pathways:	<a href="#">Peptide Hormone Metabolism</a> , <a href="#">cAMP Metabolic Process</a> , <a href="#">Maintenance of Protein Location</a> , <a href="#">Negative Regulation of Transporter Activity</a>

## Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:10~50. FC: 1:10~50
Restrictions:	For Research Use only

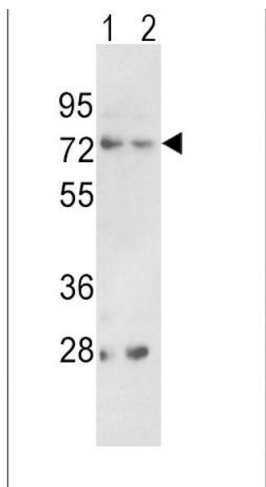
## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



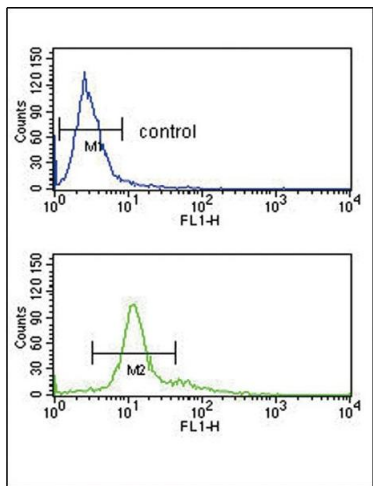
**Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** Formalin-fixed and paraffin-embedded human brain tissue reacted with PCSK2 Antibody (Center), 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.



**Western Blotting**

**Image 2.** Western blot analysis of PCSK2 Antibody (Center) (ABIN391909 and ABIN2841723) in 293(lane 1), K562(lane 2) cell line lysates (35 µg/lane). PCSK2 (arrow) was detected using the purified Pab.



**Flow Cytometry**

**Image 3.** PCSK2 Antibody (Center) (ABIN391909 and ABIN2841723) flow cytometry analysis of K562 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.