

For Research Use Only

# PCSK2 Polyclonal antibody

Catalog Number: 10553-1-AP

6 Publications



## Basic Information

### Catalog Number:

10553-1-AP

### Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG0852

### GenBank Accession Number:

BC005815

### GeneID (NCBI):

5126

### UNIPROT ID:

P16519

### Full Name:

proprotein convertase subtilisin/kexin type 2

### Calculated MW:

70.5 kDa

### Observed MW:

65-75 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:8000

## Applications

### Tested Applications:

WB, ELISA

### Cited Applications:

WB, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat

### Positive Controls:

WB : mouse brain tissue,

## Background Information

PCSK2(Prohormone convertase 2) is also named as NEC2(neuroendocrine convertase 2), PC2 and belongs to the peptidase S8 family. It is involved in the processing of hormone and other protein precursors at sites comprised of pairs of basic amino acid residues. PCSK2 is responsible for the release of glucagon from proglucagon in pancreatic A cells. This protein has 3 isoforms produced by alternative splicing. PCSK2 is biosynthesized as a 74-kDa inactive precursor which is matured to a 64-kDa active enzyme by autocatalytic removal of its prodomain (PMID: 8397508, 21092739)

## Notable Publications

Author	Pubmed ID	Journal	Application
Kristen E Rohli	36325514	Function (Oxf)	WB
Joseph Walters	35537288	Biochem Biophys Res Commun	WB
Chikafumi Ozone	26762480	Nat Commun	IF

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

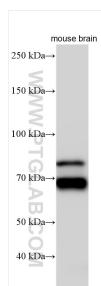
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## Selected Validation Data



mouse brain tissue lysates were subjected to SDS PAGE followed by western blot with 10553-1-AP (PCSK2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.