

For Research Use Only

# PCSK4 Polyclonal antibody

Catalog Number: 15106-1-AP



## Basic Information

### Catalog Number:

15106-1-AP

### Size:

150ul, Concentration: 350 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG4007

### GenBank Accession Number:

BC036354

### GeneID (NCBI):

54760

### UNIPROT ID:

Q6UW60

### Full Name:

proprotein convertase subtilisin/kexin type 4

### Calculated MW:

83 kDa

### Observed MW:

54 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, ELISA

### Species Specificity:

human

### Positive Controls:

WB : human testis tissue, human placenta tissue

IHC : human placenta tissue, human testis tissue

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

Proprotein convertase subtilisin/Kexin Type4 (PCSK4) is a protein convertase enzymes in spermatozoa acrosome membrane, it has an important role in the acrosome reaction through endoproteolytic process that converts the precursor proteins into bioactive protein as a necessary substance to penetrate on the zona pellucida (PMID: 16040806). The molecular mass of pro-PCSK4 is 72kDa, and mature PCSK4 is 54 kDa (PMID: 16040806, 19109312).

## 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

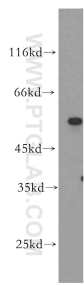
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

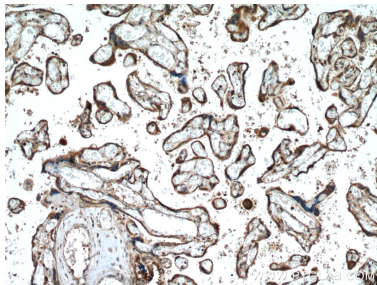
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

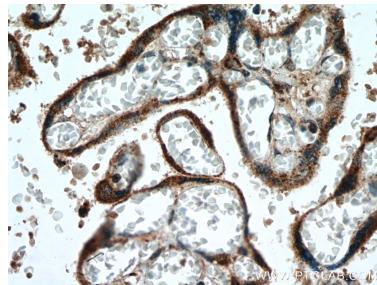
# Selected Validation Data



human testis tissue were subjected to SDS PAGE followed by western blot with 15106-1-AP (PCSK4 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 15106-1-AP (PCSK4 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 15106-1-AP (PCSK4 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).