

For Research Use Only

# PCSK5 Polyclonal antibody

Catalog Number: 16470-1-AP

Featured Product

4 Publications



## Basic Information

<b>Catalog Number:</b> 16470-1-AP	<b>GenBank Accession Number:</b> BC012064	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 500 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5125	<b>Recommended Dilutions:</b> IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q92824	
<b>Isotype:</b> IgG	<b>Full Name:</b> proprotein convertase subtilisin/kexin type 5	
<b>Immunogen Catalog Number:</b> AG9552	<b>Calculated MW:</b> 102 kDa, 207 kDa	
	<b>Observed MW:</b> 210 kDa	

## Applications

### Tested Applications:

IHC, ELISA

### Cited Applications:

IHC, IF

### Species Specificity:

human, mouse

### Cited Species:

human, rat

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

### Positive Controls:

IHC : human kidney tissue, human brain tissue, human skin tissue, human heart tissue, human testis tissue, human spleen tissue, mouse brain tissue

## Background Information

PC5, a mammalian kex2-like processing endoprotease, mediates posttranslational endoproteolytic processing for several integrin alpha subunits. It has been identified in rat and mouse endocrine and neuroendocrine tissues, and is encoded by multiple mRNAs that generate two splice variant isoforms referred to as PC5A (102kDa) and PC5B (207kDa). PC5A is smaller than PC5B and it can be processed into two forms (117 kDa and 65 kDa) in neuronal cells (PMID:11457520).

## Notable Publications

Author	Pubmed ID	Journal	Application
Yuki Tachida	28955916	Biochem Biophys Rep	
Jie Tong	33313955	Mol Med Rep	
Mengda Xu	38910562	Circ Heart Fail	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

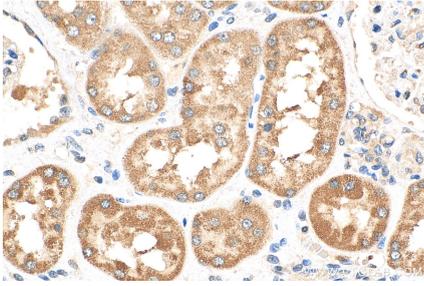
For technical support and original validation data for this product please contact:

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

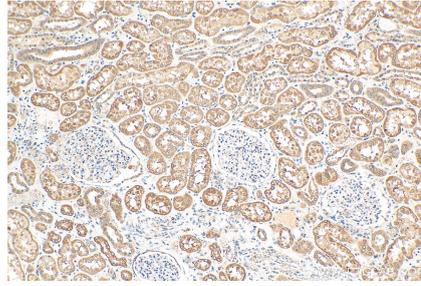
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 16470-1-AP (PCSK5 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 16470-1-AP (PCSK5 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).