

For Research Use Only

# Trypsin 2/PRSS2 Polyclonal antibody

Catalog Number:15005-1-AP

Featured Product

4 Publications



## Basic Information

<b>Catalog Number:</b> 15005-1-AP	<b>GenBank Accession Number:</b> BC030260	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 500 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 5645	<b>Recommended Dilutions:</b> WB 1:500-1:3000 IHC 1:200-1:800
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P07478	
<b>Isotype:</b> IgG	<b>Full Name:</b> protease, serine, 2 (trypsin 2)	
<b>Immunogen Catalog Number:</b> AG6461	<b>Calculated MW:</b> 26 kDa	
	<b>Observed MW:</b> 26 kDa, 35 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b> WB : Raji cells, HepG2 cells, mouse thymus tissue IHC : human small intestine tissue,
<b>Cited Applications:</b> WB, IHC	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

The human pancreas produces three isoforms of trypsinogen encoded by separate genes, the PRSS1 (protease, serine 1), PRSS2, and PRSS3 genes. PRSS2 is also named as TRY2(trypsin-2), TRYP2. In the ileum, it may be involved in defensin processing, including DEFA5. The preproprotein comprises 247 amino acids, including a 15-amino acid signal peptide and an 8-amino acid activation peptide.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yu Chen	36240716	Tissue Cell	WB,IHC
Tomoyuki Araki	36375250	Biochem Biophys Res Commun	IHC
Timothy L Hostelley	34125181	Biol Open	WB

## Storage

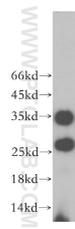
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

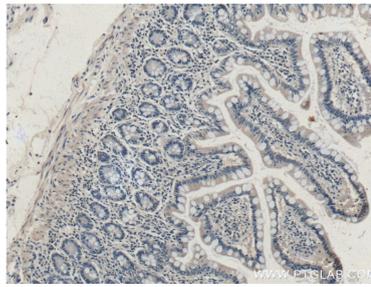
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

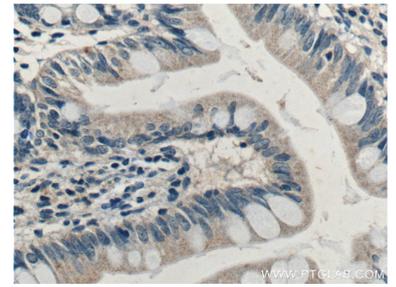
## Selected Validation Data



Raji cells were subjected to SDS PAGE followed by western blot with 15005-1-AP (PRSS2 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 15005-1-AP (PRSS2 Antibody) at dilution of 1:400 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 15005-1-AP (PRSS2 Antibody) at dilution of 1:400 (under 40x lens).