

For Research Use Only

# TMPRSS6 Polyclonal antibody

Catalog Number: 12950-1-AP **1 Publications**



## Basic Information

<b>Catalog Number:</b> 12950-1-AP	<b>GenBank Accession Number:</b> BC039082	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 150 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 164656	<b>Recommended Dilutions:</b> WB 1:500-1:1000
<b>Source:</b> Rabbit	<b>Full Name:</b> transmembrane protease, serine 6	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 89 kDa	
<b>Immunogen Catalog Number:</b> AG4076	<b>Observed MW:</b> 52 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HEK-293 cells, HepG2 cells, MCF-7 cells, mouse liver tissue
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> mouse	

## Background Information

The type II transmembrane serine protease TMPRSS6 (also known as matriptase-2) controls iron homeostasis through its negative regulation of expression of hepcidin, a key hormone involved in iron metabolism. Upstream of the hepcidin-regulated signaling pathway, TMPRSS6 cleaves its target substrate hemojuvelin (HJV) at the plasma membrane (PMID:21724843). It belongs to the peptidase S1 family. Defects in TMPRSS6 are the cause of iron-refractory iron deficiency anemia (IRIDA). It has 4 isoforms produced by alternative splicing.

## Notable Publications

Author	Pubmed ID	Journal	Application
Jing Liu	30792208	Haematologica	WB

## Storage

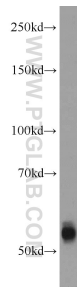
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 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



HEK-293 cells were subjected to SDS PAGE followed by western blot with 12950-1-AP (TMPRSS6 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.