

For Research Use Only

# CTSZ Polyclonal antibody

Catalog Number: 16578-1-AP **1 Publications**



## Basic Information

<b>Catalog Number:</b> 16578-1-AP	<b>GenBank Accession Number:</b> BC042168	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 400 µg/ml by Nanodrop and 267 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 1522	<b>Recommended Dilutions:</b> WB 1:500-1:3000 IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> cathepsin Z	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 303 aa, 34 kDa	
<b>Immunogen Catalog Number:</b> AG9865	<b>Observed MW:</b> 34-37 kDa	

## Applications

<b>Tested Applications:</b> IHC, IP, WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, mouse heart tissue
<b>Cited Applications:</b> WB	<b>IP :</b> HeLa cells,
<b>Species Specificity:</b> human, mouse, rat	<b>IHC :</b> human pancreas tissue,
<b>Cited Species:</b> human	

**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

### Notable Publications

Author	Pubmed ID	Journal	Application
Hongwei Chu	34932315	Anal Chem	WB

## Storage

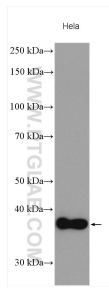
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

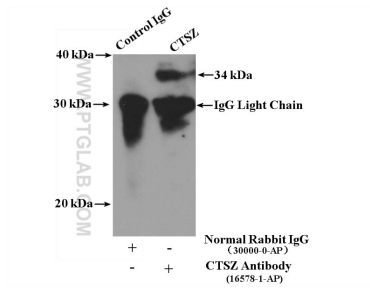
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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

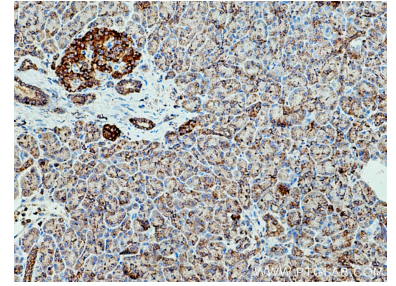
## Selected Validation Data



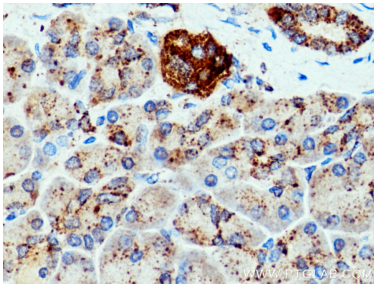
HeLa cells were subjected to SDS PAGE followed by western blot with 16578-1-AP (CTS2 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



IP Result of anti-CTS2 (IP:16578-1-AP, 4ug; Detection:16578-1-AP 1:300) with HeLa cells lysate 2500ug.



Immunohistochemical analysis of paraffin-embedded human pancreas tissue slide using 16578-1-AP (CTS2 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 pancreas tissue slide using 16578-1-AP (CTS2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).