

For Research Use Only

# SERPINA7/TBG Polyclonal antibody

Catalog Number: 16536-1-AP



## Basic Information

### Catalog Number:

16536-1-AP

### Size:

150ul, Concentration: 200 ug/ml by Nanodrop and 180 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG9823

### GenBank Accession Number:

BC020747

### GeneID (NCBI):

6906

### UNIPROT ID:

P05543

### Full Name:

serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 7

### Calculated MW:

415 aa, 46 kDa

### Observed MW:

54 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:4000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

## Applications

### Tested Applications:

WB, IP, ELISA

### Species Specificity:

human

### Positive Controls:

WB : human plasma, human urine

IP : HepG2 cells,

## Background Information

SERPINA7, also known as Thyroxine-binding globulin (TBG), is a 54 kDa acidic glycoprotein, consisting of a single polypeptide chain of 395 amino acids and four oligosaccharide chains. It is one of the major serum transport proteins of thyroid hormones (THs). Although high amounts of albumin are found in serum, TBG has a greater affinity for thyroxine (T4). Mutations in this gene result in TGB deficiency, which has been classified as partial deficiency, complete deficiency, and excess, based on the level of serum TBG.

## 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

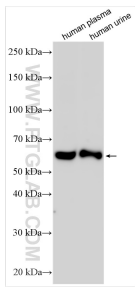
For technical support and original validation data for this product please contact:

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

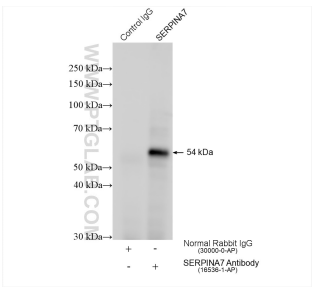
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 16536-1-AP (SERPINA7 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



IP result of anti-SERPINA7/TBG (IP:16536-1-AP, 4ug; Detection:16536-1-AP 1:500) with HepG2 cells lysate 1080 ug.