

For Research Use Only

SERPINA7/TBG Polyclonal antibody

Catalog Number: 16536-1-AP



Basic Information

Catalog Number:

16536-1-AP

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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

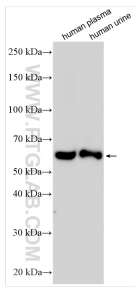
T: 4006900926

E: Proteintech-CN@ptglab.com

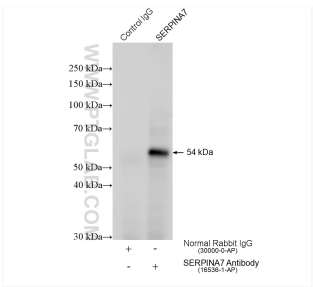
W: ptgcn.com

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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.