

For Research Use Only

SERPINA7/TBG Polyclonal antibody

Catalog Number: 16536-1-AP



Basic Information

Catalog Number: 16536-1-AP	GenBank Accession Number: BC020747	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 200 µg/ml by Nanodrop and 180 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 6906	Recommended Dilutions: WB 1:1000-1:4000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
Source: Rabbit	Full Name: serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 7	
Isotype: IgG	Calculated MW: 415 aa, 46 kDa	
Immunogen Catalog Number: AG9823	Observed MW: 54 kDa	

Applications

Tested Applications: IP, WB, ELISA	Positive Controls: WB : human plasma, human urine IP : HepG2 cells,
Species Specificity: human	

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

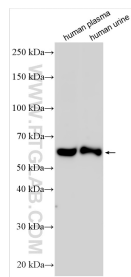
For technical support and original validation data for this product please contact:

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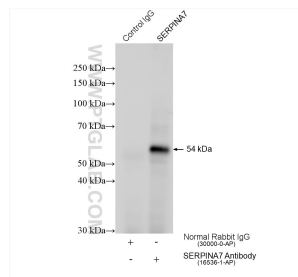
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Selected Validation Data



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.