

For Research Use Only

Angiotensinogen/AGT Polyclonal antibody, PBS Only

Catalog Number: 11992-1-PBS

Featured Product



Basic Information

Catalog Number:

11992-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2632

GenBank Accession Number:

BC011519

GeneID (NCBI):

183

UNIPROT ID:

P01019

Full Name:

angiotensinogen (serpin peptidase inhibitor, clade A, member 8)

Calculated MW:

485 aa, 53 kDa

Observed MW:

53 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IF/ICC, FC (Intra), IP, Indirect ELISA

Species Specificity:

human

Background Information

Angiotensinogen is a precursor of angiotensin II (Ang II), is expressed and synthesized largely in the liver and is cleaved by the enzyme renin in response to lowered blood pressure. It has a key role in mediating vascular constriction and regulating salt and fluid homeostasis. The resulting product, angiotensin I, is then cleaved by angiotensin converting enzyme (ACE) to generate the physiologically active enzyme angiotensin II. Mutations in this gene are associated with susceptibility to essential hypertension, and can cause renal tubular dysgenesis, a severe disorder of renal tubular development. Defects in this gene also have been associated with non-familial structural atrial fibrillation, and inflammatory bowel disease.

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

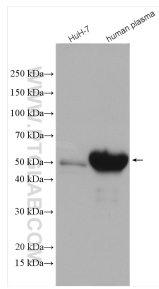
T: 4006900926

E: Proteintech-CN@ptglab.com

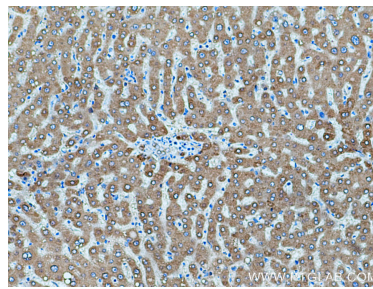
W: ptgcn.com

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

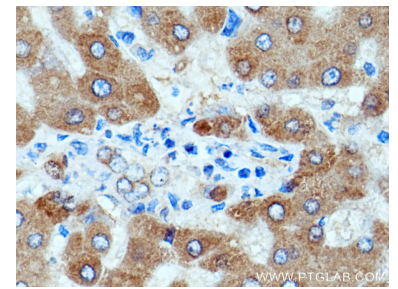
Selected Validation Data



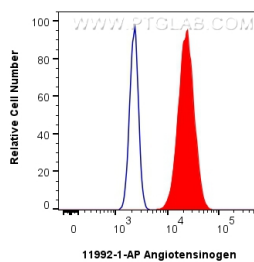
Various lysates were subjected to SDS PAGE followed by western blot with 11992-1-AP (Angiotensinogen antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 11992-1-PBS in a different storage buffer formulation.



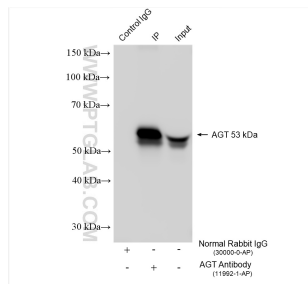
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 11992-1-AP (Angiotensinogen antibody) at dilution of 1:200 (under 10x Lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 11992-1-PBS in a different storage buffer formulation.



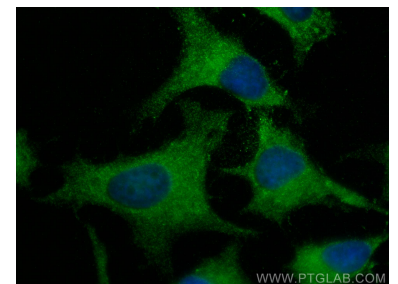
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 11992-1-AP (Angiotensinogen antibody) at dilution of 1:200 (under 40x Lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 11992-1-PBS in a different storage buffer formulation.



1×10^6 HepG2 cells were intracellularly stained with 0.25 μ g Angiotensinogen Polyclonal antibody (11992-1-AP) and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 μ g rabbit IgG isotype control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer. This data was developed using the same antibody clone with 11992-1-PBS in a different storage buffer formulation.



IP result of anti-Angiotensinogen (IP:11992-1-AP, 4 μ g; Detection:11992-1-AP 1:1000) with human plasma lysate 1600 μ g. This data was developed using the same antibody clone with 11992-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using Angiotensinogen antibody (11992-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 11992-1-PBS in a different storage buffer formulation.