Datasheet for ABIN2855709

anti-AGT antibody

6 Images

Go to Product page

Overview

Quantity:	100 µL
Target:	AGT
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AGT antibody is un-conjugated
Application:	Western Blotting (WB), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human Angiotensinogen. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Rabbit Polyclonal antibody to Angiotensinogen (angiotensinogen (serpin peptidase inhibitor, clade A, member 8)) Angiotensinogen antibody [N1C3]
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	AGT

Target Details

Alternative Name:	angiotensinogen (AGT Products)
Background:	The protein encoded by this gene, pre-angiotensinogen or angiotensinogen precursor, is expressed in the liver and is cleaved by the enzyme renin in response to lowered blood pressure. The resulting product, angiotensin I, is then cleaved by angiotensin converting enzyme (ACE) to generate the physiologically active enzyme angiotensin II. The protein is involved in maintaining blood pressure and in the pathogenesis of essential hypertension and preeclampsia. 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 have also been associated with non-familial structural atrial fibrillation, and inflammatory bowel disease.
Molecular Weight:	53 kDa
Gene ID:	183
UniProt:	P01019
Pathways:	JAK-STAT Signaling, ACE Inhibitor Pathway, EGFR Signaling Pathway, Peptide Hormone Metabolism, Regulation of Systemic Arterial Blood Pressure by Hormones, Regulation of Lipid Metabolism by PPARalpha, Protein targeting to Nucleus, Feeding Behaviour, Monocarboxylic Acid Catabolic Process, Dicarboxylic Acid Transport, Positive Regulation of Response to DNA Damage Stimulus, Regulation of long-term Neuronal Synaptic Plasticity

Application Details

Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: HepG2 , human plasma , mouse plasma , rat plasma Validation: Orthogonal
Restrictions:	For Research Use only

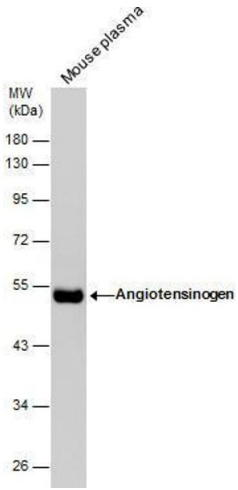
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	0.1M Tris-Glycine (pH 7), 10 % Glycerol, 0.01 % Thimerosal

Handling

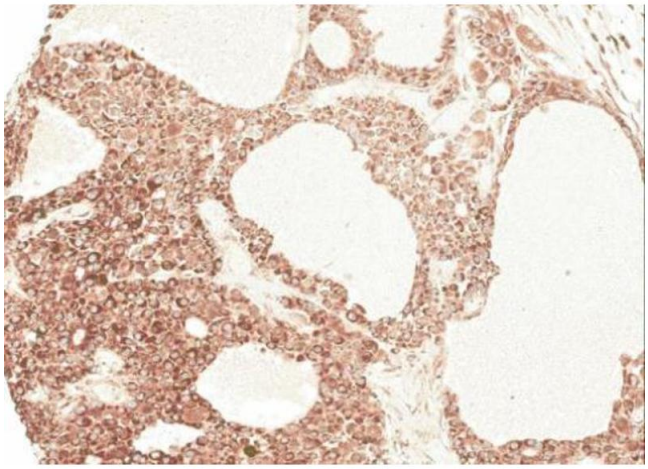
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Images



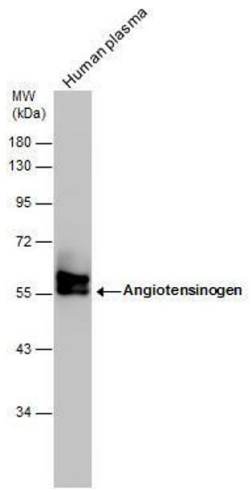
Western Blotting

Image 1. WB Image Mouse tissue extract (50 µg) was separated by 10% SDS-PAGE, and the membrane was blotted with Angiotensinogen antibody [N1C3] , diluted at 1:1000.



Immunohistochemistry

Image 2. IHC-P Image Immunohistochemical analysis of paraffin-embedded Hepatocellular carcinoma Huh7 xenograft, using AGT, antibody at 1:100 dilution.



Western Blotting

Image 3. WB Image Human tissue extract (30 µg) was separated by 10% SDS-PAGE, and the membrane was blotted with Angiotensinogen antibody [N1C3] , diluted at 1:500.

Please check the product details page for more images. Overall 6 images are available for ABIN2855709.