

Datasheet for ABIN7144130
anti-AGT antibody (AA 35-285)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	AGT
Binding Specificity:	AA 35-285
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AGT antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Angiotensinogen protein (35-285AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	AGT
Alternative Name:	AGT (AGT Products)
Background:	Background: Essential component of the renin-angiotensin system (RAS), a potent regulator of blood pressure, body fluid and electrolyte homeostasis. Angiotensin-2: acts directly on vascular

Target Details

smooth muscle as a potent vasoconstrictor, affects cardiac contractility and heart rate through its action on the sympathetic nervous system, and alters renal sodium and water absorption through its ability to stimulate the zona glomerulosa cells of the adrenal cortex to synthesize and secrete aldosterone. Angiotensin-3: stimulates aldosterone release. Angiotensin 1-7: is a ligand for the G-protein coupled receptor MAS1. Has vasodilator and antidiuretic effects. Has an antithrombotic effect that involves MAS1-mediated release of nitric oxide from platelets. Aliases: Aangiotensinogen (serpin peptidase inhibitor clade A member 8) antibody, AGT antibody, AI265500 antibody, Alpha 1 antiproteinase antitrypsin antibody, Ang antibody, Ang I antibody, Ang II antibody, Ang III antibody, AngII antibody, Angiotensin I antibody, Angiotensin II antibody, Angiotensin III antibody, Angiotensin-3 antibody, Angiotensinogen (PAT) antibody, Angiotensinogen antibody, ANGT_HUMAN antibody, ANHU antibody, ANRT antibody, AT-2 antibody, AT-II antibody, Des-Asp[1]-angiotensin II antibody, FLJ92595 antibody, FLJ97926 antibody, MGC105326 antibody, PAT antibody, Pre angiotensinogen antibody, Serine (or cysteine) proteinase inhibitor antibody, Serpin A8 antibody, Serpin peptidase inhibitor clade A member 8 antibody, SERPINA8 antibody

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: Recommended dilution: IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Preservative: Sodium azide

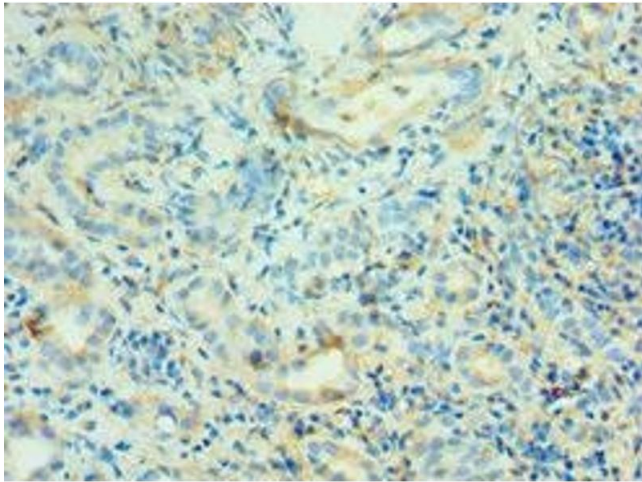
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: -20 °C, -80 °C

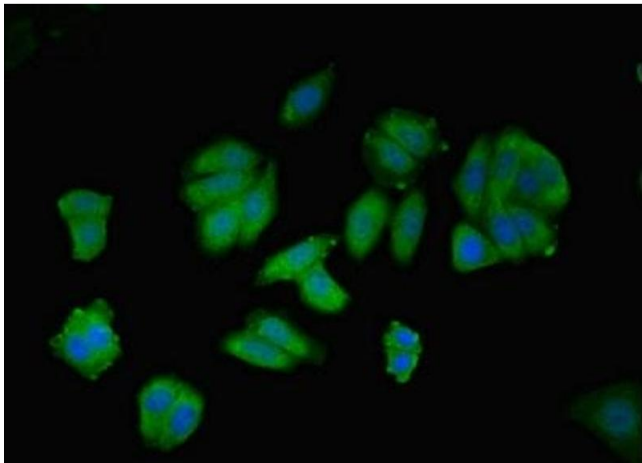
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human kidney tissue using ABIN7144130 at dilution of 1:100



Immunofluorescence

Image 2. Immunofluorescent analysis of HepG2 cells using ABIN7144130 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)