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anti-AGT antibody (AA 44-427)





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Overview	
Quantity:	100 μg
Target:	AGT
Binding Specificity:	AA 44-427
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AGT antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)
Product Details	
Immunogen:	Recombinant Human Angiotensinogen protein (44-427AA)
Isotype:	IgG

Immunogen:	Recombinant Human Angiotensinogen protein (44-427AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G 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

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, Al265500 antibody, Alpha 1 antiproteinase antitrypsin antibody, Ang antibody, Ang II antibody, Ang III antibody, AnglI antibody, Angiotensin I antibody, Angiotensin III antibody, Angiotensin III antibody, Angiotensin III antibody, Angiotensin III 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

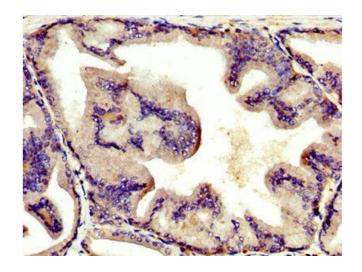
Application Details

Application Notes:	Recommended dilution: WB:1:500-1:5000, IHC:1:200-1:500, IF:1:50-1:200,	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Buffer:	Preservative: 0.03 % Proclin 300	
	Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4	
Preservative:	ProClin	
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	

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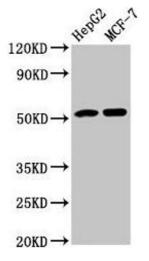
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



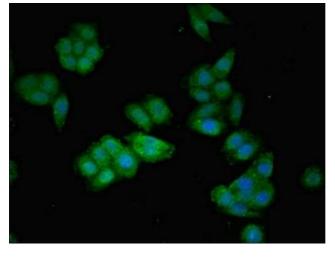
Immunohistochemistry

Image 1. IHC image of ABIN7144136 diluted at 1:400 and staining in paraffin-embedded human prostate tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Western Blotting

Image 2. Western Blot Positive WB detected in: HepG2 whole cell lysate, MCF-7 whole cell lysate All lanes: AGT antibody at $3.9 \,\mu\text{g/mL}$ Secondary Goat polyclonal to rabbit lgG at 1/50000 dilution Predicted band size: 54 kDa Observed band size: 54 kDa



Immunofluorescence

Image 3. Immunofluorescent analysis of HepG2 cells using ABIN7144136 at dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L)

Please check the product details page for more images. Overall 4 images are available for ABIN7144136.