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Datasheet for ABIN7242470 anti-AGT antibody

3 Images



Overview

Quantity:	200 µL
Target:	AGT
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AGT antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Synthetic peptide of human AGT
Isotype:	lgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

Target Details

Target:	AGT
Alternative Name:	AGT (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

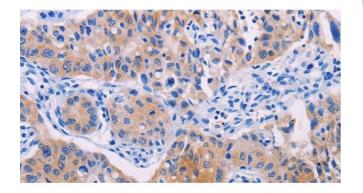
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	involved in maintaining blood pressure and in the pathogenesis of essential hypertension and
	preeclampsia. Mutations in this gene are associated with susceptibility to essential
	hypertension, and can cause renal tubular dysgenesis, a severe disorder 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
NCBI Accession:	NP_000020
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 1:500-1:2000, IHC 1:25-1:100
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	0.3 mg/mL
Buffer:	PBS with 0.05 % sodium azide and 50 % glycerol, PH7.4
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

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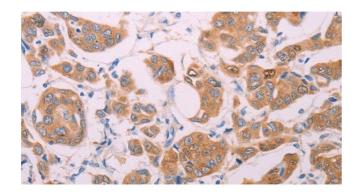
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of paraffin-embedded Human lung cancer using AGT Polyclonal Antibody at dilution of 1:30

kDa 95 — 72 — 55 — 36 —

Western Blotting

Image 2. Western Blot analysis of Human liver cancer tissue using AGT Polyclonal Antibody at dilution of 1:700



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry of paraffin-embedded Human breast cancer using AGT Polyclonal Antibody at dilution of 1:30

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