

Datasheet for ABIN392328
anti-AGT antibody (C-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	400 µL
Target:	AGT
Binding Specificity:	AA 418-450, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AGT antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This AGT antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 418-450 amino acids from the C-terminal region of human AGT.
Clone:	RB17036
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

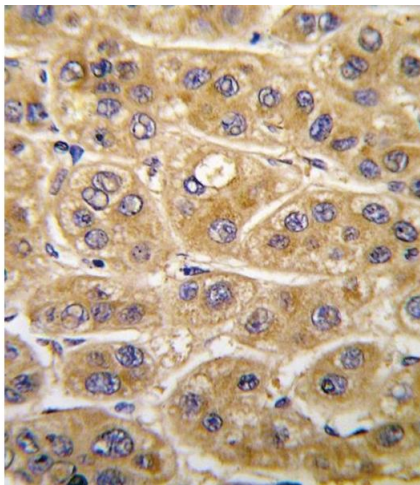
Target:	AGT
Alternative Name:	AGT (AGT Products)

Target Details

Background:	AGT, 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 AGT gene are associated with susceptibility to essential hypertension, and can cause renal tubular dysgenesis, a severe disorder of renal tubular development. Defects in AGT gene have also been associated with non-familial structural atrial fibrillation, and inflammatory bowel disease.
Molecular Weight:	53154
Gene ID:	183
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: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
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:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with AGT antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.



Western Blotting

Image 2. Western blot analysis of anti-AGT Antibody (C-term) (ABIN392328 and ABIN2841975) in HepG2 cell line lysates (35 µg/lane). AGT (arrow) was detected using the purified Pab.