

Datasheet for ABIN7265598
anti-AGT antibody

2 Images



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Overview

Quantity:	100 µL
Target:	AGT
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This AGT antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Angiotensinogen Rabbit mAb
Immunogen:	A synthesized peptide derived from human Angiotensinogen
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
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

Target Details

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. [provided by RefSeq, Jul 2008],ANHU, SERPINA8,Apoptosis,Blood,Blood_Blood Pressure regulation,Blood_Serum Proteins,Cancer,Cardiovascular,Cell Biology & Developmental Biology,Endocrine & Metabolism,Lipid Metabolism,Lipids,AGT

Molecular Weight:	53-64kDa
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 - 1:2000
Restrictions:	For Research Use only

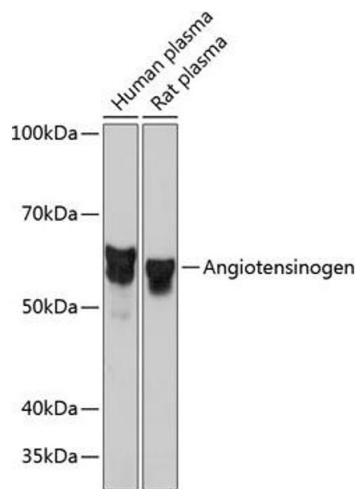
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,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.
Storage:	-20 °C

Handling

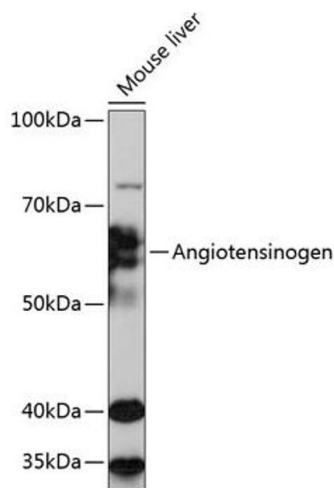
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using Angiotensinogen Rabbit mAb (ABIN7265598) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 3s.



Western Blotting

Image 2. Western blot analysis of extracts of Mouse liver, using Angiotensinogen Rabbit mAb (ABIN7265598) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.