

Datasheet for ABIN1882205
anti-AGT antibody (N-Term)[Go to Product page](#)

1 Image

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Overview

Quantity:	400 µL
Target:	AGT
Binding Specificity:	AA 37-65, N-Term
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This AGT antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This AGT antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 37-65 amino acids from the N-terminal region of human AGT.
Clone:	656CT5-8-4
Isotype:	IgG1
Purification:	This antibody is purified through a protein G column, followed by dialysis against PBS.

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.

Molecular Weight: 53154

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: 1:100~1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified monoclonal 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.

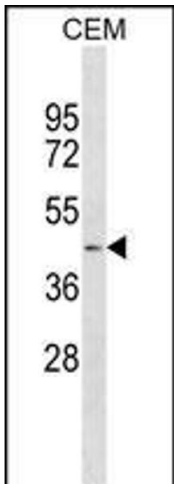
Storage: 4 °C, -20 °C

Expiry Date: 6 months

Publications

Product cited in: Mishra, Chandravanshi, Trigun, Krishnamurthy: "Ambroxol modulates 6-Hydroxydopamine-induced temporal reduction in Glucocerebrosidase (GCase) enzymatic activity and Parkinson's disease symptoms." in: **Biochemical pharmacology**, Vol. 155, pp. 479-493, (2019) ([PubMed](#)).

Images



Western Blotting

Image 1. AGT Antibody (N-term) (ABIN1882205 and ABIN2843893) western blot analysis in CEM cell line lysates (35 µg/lane). This demonstrates the AGT antibody detected the AGT protein (arrow).