

Datasheet for ABIN1048321  
**anti-AGT antibody (Internal Region)**



[Go to Product page](#)

2 Images

## Overview

Quantity:	50 µg
Target:	AGT
Binding Specificity:	Internal Region
Reactivity:	Human, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AGT antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Brand:	IHC-plus™
Immunogen:	Synthetic 13 amino acid peptide from internal region of human AGT / Angiotensinogen. Percent identity with other species by BLAST analysis: Human, Chimpanzee, Gorilla, Orangutan, Gibbon, Monkey (100%), Marmoset (85%).  Type of Immunogen: Synthetic peptide
Specificity:	Human AGT / Angiotensinogen. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Predicted Reactivity:	Percent identity with other species by BLAST analysis: Human, Chimpanzee, Gorilla, Orangutan, Gibbon, Monkey (100%) Marmoset (85%).
Purification:	Immunoaffinity purified

## Target Details

---

Target:	AGT
Alternative Name:	AGT / Angiotensinogen ( <a href="#">AGT Products</a> )
Background:	Name/Gene ID: AGT Family: Hormone  Synonyms: AGT, Angiotensin I, ANHU, Angiotensinogen, Pre-angiotensinogen, Angiotensin II, SERPINA8, Serpin A8
Gene ID:	183
Pathways:	<a href="#">JAK-STAT Signaling</a> , <a href="#">ACE Inhibitor Pathway</a> , <a href="#">EGFR Signaling Pathway</a> , <a href="#">Peptide Hormone Metabolism</a> , <a href="#">Regulation of Systemic Arterial Blood Pressure by Hormones</a> , <a href="#">Regulation of Lipid Metabolism by PPARalpha</a> , <a href="#">Protein targeting to Nucleus</a> , <a href="#">Feeding Behaviour</a> , <a href="#">Monocarboxylic Acid Catabolic Process</a> , <a href="#">Dicarboxylic Acid Transport</a> , <a href="#">Positive Regulation of Response to DNA Damage Stimulus</a> , <a href="#">Regulation of long-term Neuronal Synaptic Plasticity</a>

## Application Details

---

Application Notes:	Approved: IHC, IHC-P (2.5 - 5 µg/mL)
Comment:	Target Species of Antibody: Human
Assay Procedure:	<b>The IHC-pro Immunohistochemistry Protocol</b>

### Tissue Preparation

Formalin fixation and embedding in paraffin wax

### Tissue Sectioning

Make 4-µm sections and place on pre-cleaned and charged microscope slides.

Heat in a tissue-drying oven for 45 minutes at 60°C

Deparaffinization

Wash slides in 3 changes of xylene – 5 minutes each at room temperature.

### Rehydration

Wash slides in 3 changes of 100% alcohol – 3 minutes each at room temperature.

Wash slides in 2 changes of 95% alcohol – 3 minutes each at room temperature.

Wash slides in 1 change of 80% alcohol – 3 minutes at room temperature.

Rinse slides in gentle running distilled water – 5 minutes at room temperature.

### Antigen retrieval

Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes

Remove from heat and let stand at room temperature in buffer - 20 minutes

Rinse in 1X TBS with Tween (TBST) – 1 minute at room temperature.

### Immunostaining

Do not allow tissues to dry at any time during the staining procedure.

Apply a universal protein block – 20 minutes at room temperature.

Drain protein block from slides, apply diluted primary antibody – 45 minutes at room temperature.

Rinse slides in 1X TBST - 1 minute at room temperature.

Apply a biotinylated secondary antibody (specific to the host of the primary antibody) - 30 minutes at room temperature.

Rinse slides 1X TBST – 1 minute at room temperature.

Apply alkaline phosphatase streptavidin – 30 minutes at room temperature.

Rinse slides in 1X TBST - 1 minute at room temperature.

Apply alkaline phosphatase chromogen substrate – 30 minutes at room temperature.

Wash slides in distilled water – 1 minute at room temperature.

### Dehydrate

This method should only be used if the chromogen substrate is alcohol insoluble.

Wash slides in 2 changes of 80% alcohol – 1 minute each at room temperature.

Wash slides in 2 changes of 95% alcohol – 1 minute each at room temperature.

Wash slides in 3 changes of 100% alcohol – 1 minute each at room temperature.

Wash slides in 3 changes of xylene – 1 minute each at room temperature.

Apply coverslip

---

Restrictions: For Research Use only

### Handling

---

Format: Liquid

Concentration: Lot specific

Buffer: PBS, less than 0.1 % sodium azide.

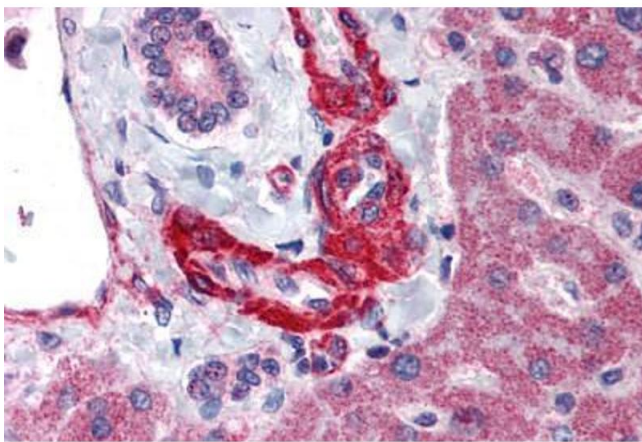
Preservative: Sodium azide

---

## Handling

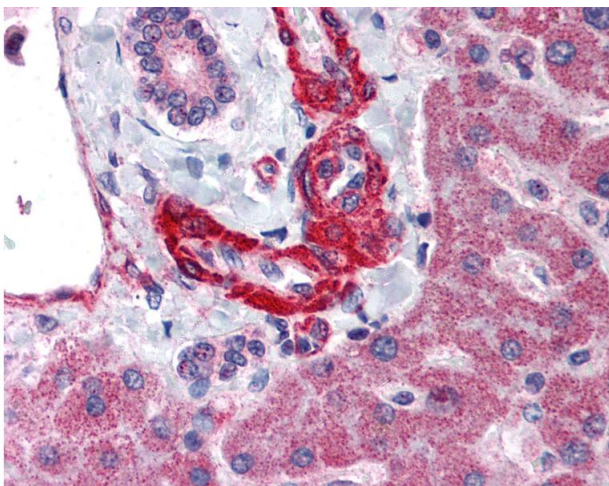
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze-thaw cycles.
Expiry Date:	12 months

## Images



### Immunohistochemistry

**Image 1.** Anti-AGT / Angiotensinogen antibody ABIN1048321 IHC staining of human liver. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



### Immunohistochemistry

**Image 2.** Anti-AGT / Angiotensinogen antibody IHC of human liver. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.