

AGT antibody

Catalog No: #38789

Package Size: #38789-1 50ul #38789-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

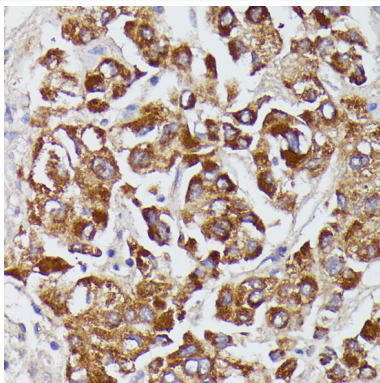
Description

Product Name	AGT antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total AGT protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human AGT.
Target Name	AGT
Other Names	ANHU; SERPINA8;
Accession No.	Swiss-Prot#: P01019NCBI Gene ID: 183
Uniprot	P01019
GeneID	183;
SDS-PAGE MW	53kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

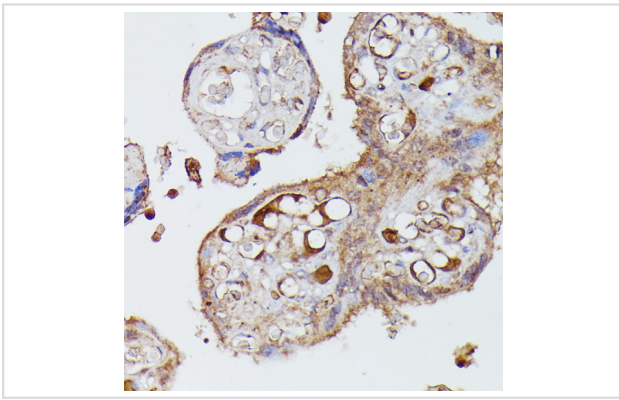
Application Details

WB 1:500 - 1:2000 IHC 1:50 - 1:100 IF 1:50 - 1:100

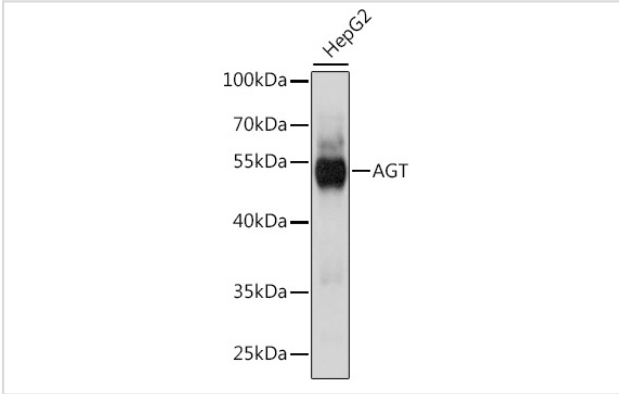
Images



Immunohistochemistry of paraffin-embedded human liver cancer using AGT at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human placenta using AGT at dilution of 1:100 (40x lens).



Western blot analysis of extracts of HepG2 cells, using AGT at 1:1000 dilution.

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 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.

Note: This product is for in vitro research use only