

For Research Use Only

# AGXT Monoclonal antibody

Catalog Number: 67402-1-Ig



## Basic Information

<b>Catalog Number:</b> 67402-1-Ig	<b>GenBank Accession Number:</b> BC132819	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1900 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 189	<b>CloneNo.:</b> 3E12H1
<b>Source:</b> Mouse	<b>Full Name:</b> alanine-glyoxylate aminotransferase	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IHC 1:1000-1:4000
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 392 aa, 43 kDa	
<b>Immunogen Catalog Number:</b> AG19188	<b>Observed MW:</b> 43 kDa	

## Applications

### Tested Applications:

IHC, WB, ELISA

### Species Specificity:

Human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB : HepG2 cells, NCI-H1299 cells, A549 cells, L02 cells, HuH-7 cells, SMMC-7721 cells

IHC : human liver cancer tissue, human kidney tissue

## Background Information

AGXT (AGT) is a key enzyme in glyoxylate detoxification. Mutations of AGXT lead to primary hyperoxaluria type I, a rare metabolic disease which is characterized by deficient AGXT, excessive hepatic oxalate production that leads to renal failure.

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

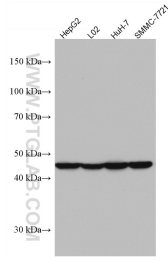
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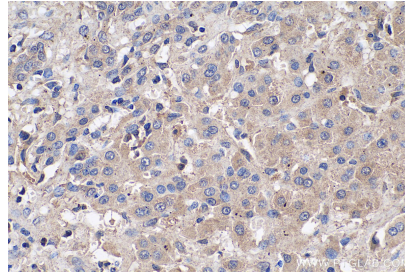
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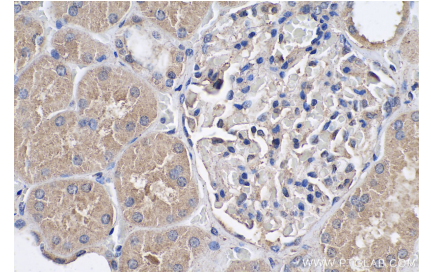
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67402-1-Ig (AGXT antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 67402-1-Ig (AGXT antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 67402-1-Ig (AGXT antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).