

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 ug/ml by 189 Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> P21549	<b>CloneNo.:</b> 3E12H1
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P21549	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IHC 1:1000-1:4000
<b>Isotype:</b> IgG1	<b>Full Name:</b> alanine-glyoxylate aminotransferase	
<b>Immunogen Catalog Number:</b> AG19188	<b>Calculated MW:</b> 392 aa, 43 kDa	
	<b>Observed MW:</b> 43 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> Human	<b>WB :</b> HepG2 cells, NCI-H1299 cells, A549 cells, L02 cells, HuH-7 cells, SMMC-7721 cells
<b>Note-IHC:</b> suggested antigen retrieval with <b>TE buffer pH 9.0; (*)</b> Alternatively, antigen retrieval may be performed with <b>citrate buffer pH 6.0</b>	<b>IHC :</b> 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

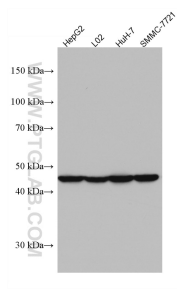
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

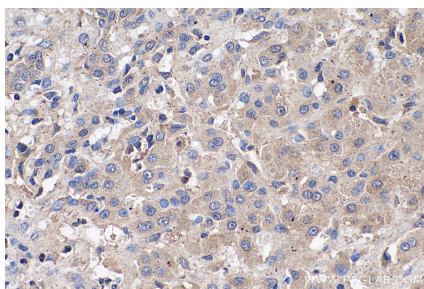
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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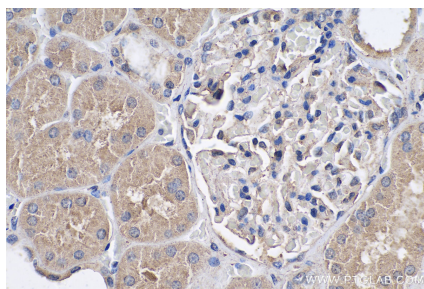
## Selected Validation Data



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).