

For Research Use Only

AGXT Monoclonal antibody

Catalog Number: 67402-1-Ig



Basic Information

Catalog Number: 67402-1-Ig	GenBank Accession Number: BC132819	Purification Method: Protein G purification
Concentration: 2200 ug/ml	GeneID (NCBI): 189	CloneNo.: 3E12H1
Source: Mouse	UNIPROT ID: P21549	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:1000-1:4000
Isotype: IgG1	Full Name: alanine-glyoxylate aminotransferase	
Immunogen Catalog Number: AG19188	Calculated MW: 392 aa, 43 kDa Observed MW: 43 kDa	

Applications

Tested Applications:
WB, IHC, 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, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

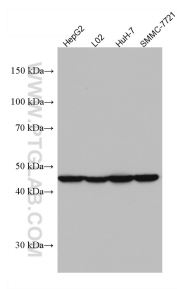
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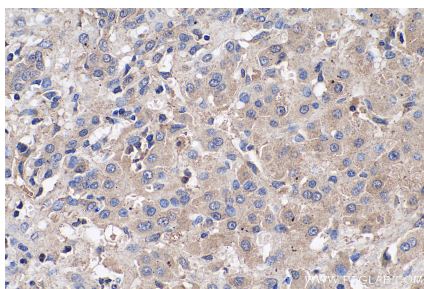
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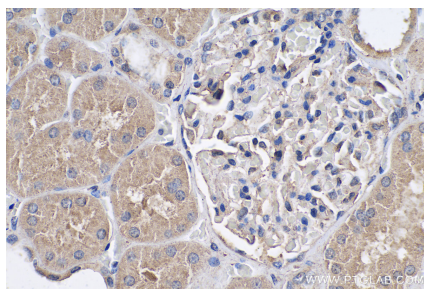
Selected Validation Data



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).