

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 A purification |
| Size: 150ul, Concentration: 1900 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard; | 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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

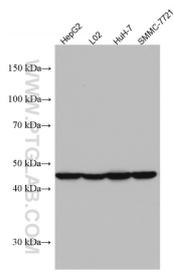
For technical support and original validation data for this product please contact:

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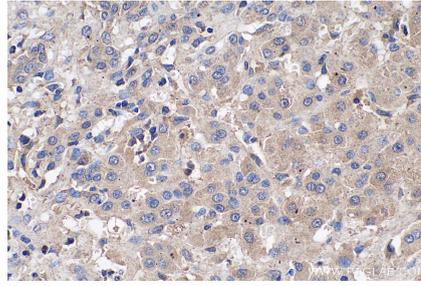
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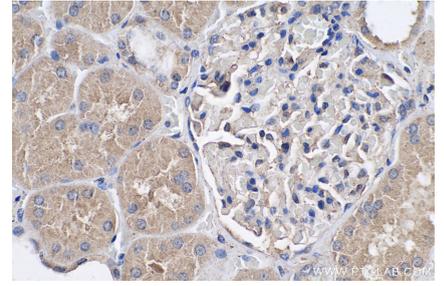
Selected Validation Data



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).