For Research Use Only

AGXT Monoclonal antibody

Catalog Number:67402-1-Ig

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
67402-1-Ig

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG19188

GenBank Accession Number:
BC132819

GeneID (NCBI):
189

UNIPROT ID:
P21549

Full Name:
alanine-glyoxylate aminotransferase

Calculated MW:
392 aa, 43 kDa

Observed MW:
43 kDa

Purification Method:
Protein G purification

CloneNo.:
3E12H1

Recommended Dilutions:
WB: 1:2000-1:10000
IHC: 1:1000-1:4000

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.

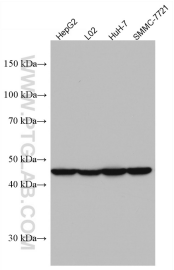
Storage

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

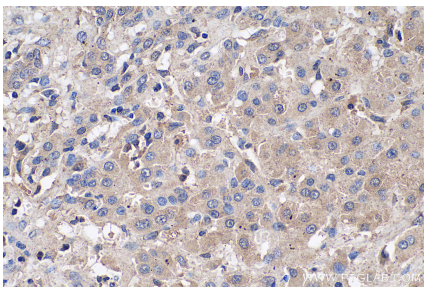
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

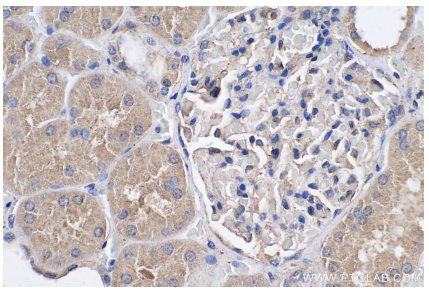
Selected Validation Data



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).