

## Rabbit anti-Human AGXT Polyclonal Antibody | anti-AGXT antibody

AGXT Antibody (Center)

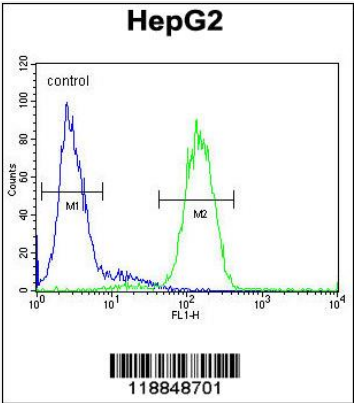
| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                                |
|-----------|--------|------------|-----------------------------------------------------------------------------|
| AAA28732  | Rabbit | Human      | Western Blot, ELISA, Immunohistochemistry, Flow Cytometry, Functional Assay |

### PRODUCT SYNONYMS

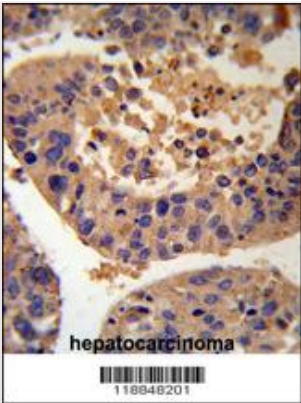
AGXT; Polyclonal Antibody; AGXT Antibody (Center); Serine--pyruvate aminotransferase; SPT; Alanine--glyoxylate aminotransferase; AGT; AGT1; SPAT; anti-AGXT antibody

### PRODUCT SPECIFICATIONS

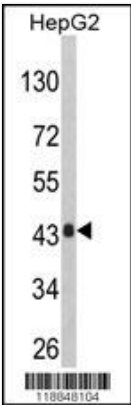
|                                                |                                                                                                                                                                                           |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                    |
| Reactivity                                     | Human                                                                                                                                                                                     |
| Clonality                                      | Polyclonal                                                                                                                                                                                |
| Isotype                                        | Rabbit Ig                                                                                                                                                                                 |
| Specificity                                    | This AGXT antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 96-125 amino acids from the Central region of human AGXT.                          |
| Purity/Purification                            | Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                                |
| Form/Format                                    | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. |
| Concentration                                  | Vial Concentration: 1.09 (varies by lot)                                                                                                                                                  |
| Sequence Positions                             | 96-125                                                                                                                                                                                    |
| Sequence Length                                | 392                                                                                                                                                                                       |
| Applicable Applications for anti-AGXT antibody | WB (Western Blot), ELISA, IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)                                                                                                           |
| Application Notes                              | WB~~1:1000                                                                                                                                                                                |
| Antigen Type                                   | Synthetic Peptide                                                                                                                                                                         |
| Antigen Source                                 | HUMAN                                                                                                                                                                                     |
| Preparation and Storage                        | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                                    |



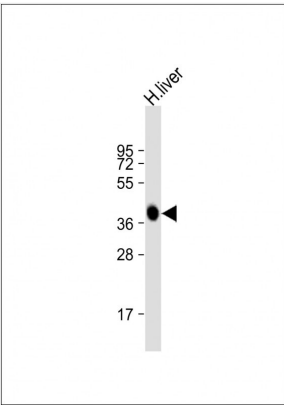
**FCM (Flow Cytometry)**  
AGXT Antibody (Center) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



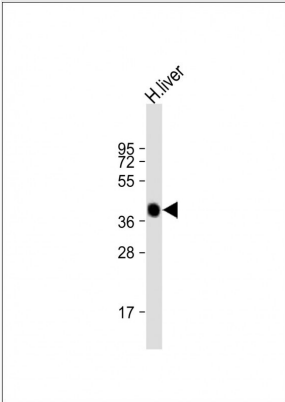
**IHC (Immunohistochemistry)**  
AGXT Antibody (Center) (RB18848) IHC analysis in formalin fixed and paraffin embedded human hepatocarcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the AGXT Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



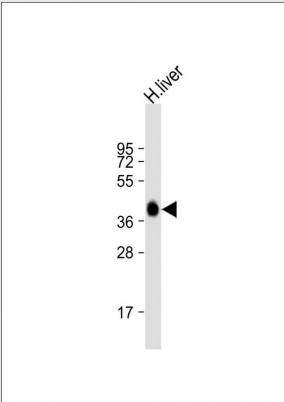
**WB (Western Blot)**  
Western blot analysis of AGXT Antibody (Center) in HepG2 cell line lysates (35ug/lane). AGXT (arrow) was detected using the purified Pab.(8ug/ml)



**WB (Western Blot)**  
Anti-AGXT Antibody (Center)at 1:2000 dilution + human liver lysatesLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilutionPredicted band size : 43 kDaBlocking/Dilution buffer: 5% NFDm/TBST.



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ADDITIONAL INFORMATION

|                                                    |                                                                                                                                            |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-AGXT antibody | AGXT is expressed only in the liver and protein is localized mostly in the peroxisomes, where it is involved in glyoxylate detoxification. |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|

|                                                  |                                                                                                                         |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Product Categories/Family for anti-AGXT antibody | Metabolism; Signal Transduction                                                                                         |
| References                                       | Cellini,B., J. Biol. Chem. 284 (13), 8349-8358 (2009)<br>Bertoldi,M., Biochim. Biophys. Acta 1784 (9), 1356-1362 (2008) |

## NCBI AND UNIPROT INFORMATION

|                                  |                                        |
|----------------------------------|----------------------------------------|
| NCBI GI #                        | 4557289                                |
| NCBI GeneID                      | 189                                    |
| NCBI Accession #                 | NP_000021.1                            |
| NCBI GenBank Nucleotide #        | NM_000030.2                            |
| UniProt Accession #              | P21549; Q53QU6                         |
| Molecular Weight                 | 43010                                  |
| NCBI Official Full Name          | serine--pyruvate aminotransferase      |
| NCBI Official Synonym Full Names | alanine-glyoxylate aminotransferase    |
| NCBI Official Symbol             | AGXT                                   |
| NCBI Official Synonym Symbols    | AGT; PH1; SPT; AGT1; SPAT; TLH6; AGXT1 |
| NCBI Protein Information         | serine--pyruvate aminotransferase      |
| UniProt Protein Name             | Serine--pyruvate aminotransferase      |
| UniProt Gene Name                | <b>AGXT</b>                            |
| UniProt Synonym Gene Names       | AGT1; SPAT; SPT; AGT                   |
| UniProt Entry Name               | SPYA_HUMAN                             |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/agxt-antibody-western-blot-immunohistochemistry-flow-cytometry-elisa/28732>