

**AGXT Antibody**  
**Purified Mouse Monoclonal Antibody (Mab)**  
**Catalog # AM8587b**

**Specification**

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**AGXT Antibody - Product Information**

Application	WB,E
Primary Accession	<a href="#">P21549</a>
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG1,k
Calculated MW	43010

**AGXT Antibody - Additional Information**

**Gene ID** 189

**Other Names**

Serine--pyruvate aminotransferase, SPT, 2.6.1.51, Alanine--glyoxylate aminotransferase, AGT, 2.6.1.44, AGXT, AGT1, SPAT

**Target/Specificity**

This AGXT antibody is generated from a mouse immunized with a recombinant protein between 188-375 amino acids from the human AGXT.

**Dilution**

WB~~1:1000-1:2000

E~~Use at an assay dependent concentration.

**Format**

Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

AGXT Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**AGXT Antibody - Protein Information**

**Name** AGXT ([HGNC:341](#))

**Synonyms** AGT1, SPAT

**Function** Peroxisomal aminotransferase that catalyzes the transamination of glyoxylate to glycine

and contributes to the glyoxylate detoxification (PubMed:[10960483](#), PubMed:[12777626](#), PubMed:[23229545](#), PubMed:[24055001](#), PubMed:[26149463](#)). Also catalyzes the transamination between L-serine and pyruvate and contributes to gluconeogenesis from the L-serine metabolism (PubMed:[10347152](#)).

#### Cellular Location

Peroxisome

#### Tissue Location

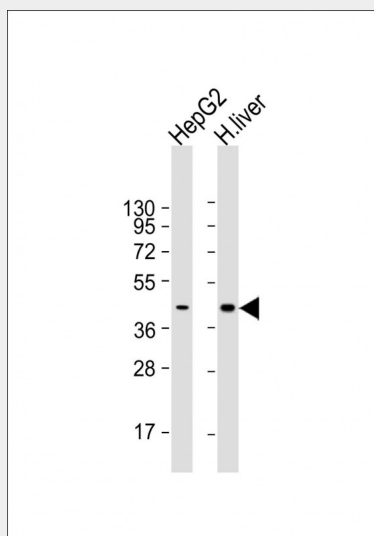
Liver.

### AGXT Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### AGXT Antibody - Images



All lanes : Anti-AGXT Antibody at 1:1000-1:2000 dilution Lane 1: HepG2 whole cell lysate Lane 2: human liver lysate Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 43 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

### AGXT Antibody - References

- Nishiyama K.,et al.Eur. J. Biochem. 194:9-18(1990).  
Purdue P.E.,et al.J. Cell Biol. 111:2341-2351(1990).  
Takada Y.,et al.Biochem. J. 268:517-520(1990).  
Purdue P.E.,et al.Genomics 10:34-42(1991).

Ota T., et al. Nat. Genet. 36:40-45(2004).