

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

AGXT Antibody - Product Information

Application	WB,E
Primary Accession	P21549
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

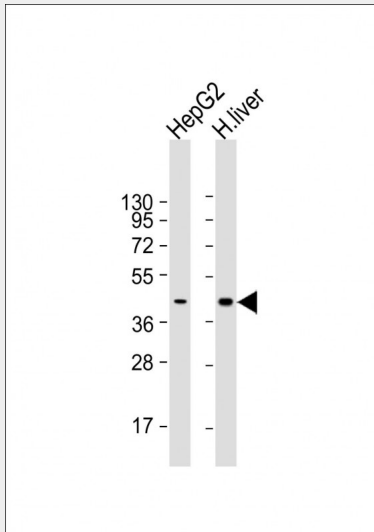
Tissue Location

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 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 43 kDa Blocking/Dilution buffer: 5% NFD/MTBST.

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).