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AGXT Antibody

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AM8587b

Product Information

Application	WB, E
Primary Accession	P21549
Reactivity	Human
Predicted	Rat, Bovine, Canine, Rabbit
Host	Mouse
Clonality	monoclonal
Isotype	IgG1,k
Clone Names	1739CT804.82.83.1
Calculated MW	43010

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.

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).

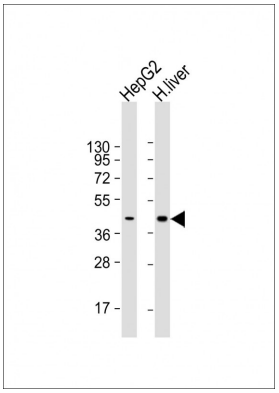
Cellular Location Peroxisome

Tissue Location Liver.

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).

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% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.