

# AGXT Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP6500c

## Product Information

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<b>Application</b>	WB, IHC-P, FC, E
<b>Primary Accession</b>	<a href="#">P21549</a>
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB18848
<b>Calculated MW</b>	43010
<b>Antigen Region</b>	96-125

## Additional Information

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<b>Gene ID</b>	189
<b>Other Names</b>	Serine--pyruvate aminotransferase, SPT, Alanine--glyoxylate aminotransferase, AGT, AGXT, AGT1, SPAT
<b>Target/Specificity</b>	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.
<b>Dilution</b>	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	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.
<b>Precautions</b>	AGXT Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	AGXT ( <a href="#">HGNC:341</a> )
<b>Synonyms</b>	AGT1, SPAT
<b>Function</b>	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.

## Background

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AGXT is expressed only in the liver and protein is localized mostly in the peroxisomes, where it is involved in glyoxylate detoxification.

## References

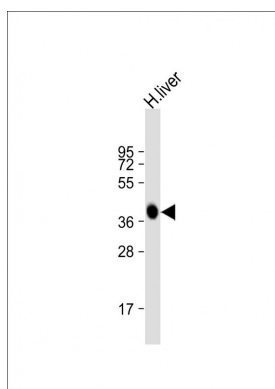
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Cellini,B., J. Biol. Chem. 284 (13), 8349-8358 (2009)

Bertoldi,M., Biochim. Biophys. Acta 1784 (9), 1356-1362 (2008)

## Images

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Anti-AGXT Antibody (Center) at 1:2000 dilution + human liver lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit 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'.