

## Product datasheet for **TA323755**

### AGXT Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 500-2000 WB positive control: Human fetal liver tissue and hepg2 cells
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a region derived from 280-294 amino acids of human alanine-glyoxylate aminotransferase
Formulation:	PBS pH7.3, 0.05% NaN <sub>3</sub> , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	43 kDa
Gene Name:	alanine-glyoxylate aminotransferase
Database Link:	<a href="#">NP_000021</a> <a href="#">Entrez Gene 11611 Mouse</a> <a href="#">Entrez Gene 24792 Rat</a> <a href="#">Entrez Gene 189 Human</a> <a href="#">P21549</a>



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**Background:**

Serine—pyruvate aminotransferase is an enzyme that in humans is encoded by the AGXT gene. This gene is expressed only in the liver and the encoded protein is localized mostly in the peroxisomes; where it is involved in glyoxylate detoxification. Mutations in this gene; some of which alter subcellular targeting; have been associated with type I primary hyperoxaluria. Defects in AGXT are the cause of hyperoxaluria primary type 1 (HP1); also known as primary hyperoxaluria type I (PH1) and oxalosis I. HP1 is a rare autosomal recessive inborn error of glyoxylate metabolism characterized by increased excretion of oxalate and glycolate; and the progressive accumulation of insoluble calcium oxalate in the kidney and urinary tract.

**Synonyms:**

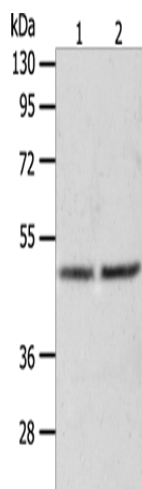
AGT; AGT1; AGXT1; PH1; SPAT; SPT; TLH6

**Protein Families:**

Druggable Genome

**Protein Pathways:**

Alanine, aspartate and glutamate metabolism, Glycine, serine and threonine metabolism, Metabolic pathways

**Product images:**

Gel: 10%SDS-PAGE

Lysate: 40 µg

Lane 1-2: Human fetal liver tissue  
hepg2 cells

Primary antibody: TA323755 (AGXT Antibody) at  
dilution 1/1050

Secondary antibody: Goat anti rabbit IgG at  
1/8000 dilution

Exposure time: 2 minutes