Datasheet for ABIN7384024

anti-AGXT antibody

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Overview

Quantity:	20 µL
Target:	AGXT
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AGXT antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Synthetic peptide of human AGXT
Isotype:	IgG
Purification:	Affinity purification

Target Details

Target:	AGXT
Alternative Name:	AGXT (AGXT Products)
Background:	AGT,AGT1,Agxt,AGXT1,Alanine glyoxylate aminotransferase,Alanine glyoxylate aminotransferase3,Alanine--glyoxylate aminotransferase,EC 2.6.1.44,EC 2.6.1.51,Hepatic peroxisomal alanine glyoxylate aminotransferase,Hepatic peroxisomal alanine:glyoxylate aminotransferase,L alanine glyoxylate aminotransferase 1,MS773,PH1,Serine pyruvate aminotransferase,Serine--pyruvate aminotransferase,Serine--pyruvate

Target Details

	aminotransferase,mitochondrial,Serine:pyruvate aminotransferase,SPAT,SPT,SPYA,TLH6,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 targetting, 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.
Molecular Weight:	43 kDa
NCBI Accession:	NP_000021
UniProt:	P21549
Pathways:	Monocarboxylic Acid Catabolic Process, Dicarboxylic Acid Transport

Application Details

Application Notes:	WB 1:500-1:2000
Restrictions:	For Research Use only

Handling

Concentration:	0.6 mg/mL
Buffer:	PBS with 0.05 % sodium azide and 50 % glycerol, PH7.4
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.