

Rabbit anti-Human AGXT2 Polyclonal Antibody | anti-AGXT2 antibody

AGXT2 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285982	Rabbit	Human	Western Blot, ELISA, Flow Cytometry, Functional Assay

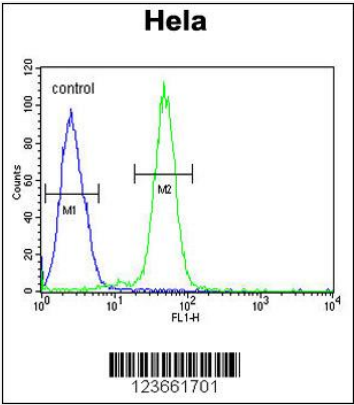
PRODUCT SYNONYMS

AGXT2; Polyclonal Antibody; AGXT2 Antibody (C-term); Alanine--glyoxylate aminotransferase 2; mitochondrial; AGT 2; (R)-3-amino-2-methylpropionate--pyruvate transaminase; Beta-ALAAAT II; Beta-alanine-pyruvate aminotransferase; D-AIBAT; AGT2; anti-AGXT2 antibody

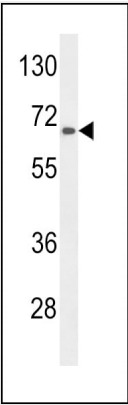
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This AGXT2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 437-463 amino acids from the C-terminal region of human AGXT2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	437-463
Sequence Length	514
Applicable Applications for anti-AGXT2 antibody	WB (Western Blot), ELISA, FCM/FACS (Flow Cytometry)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)
AGXT2 Antibody (C-term) flow cytometric analysis of Hela cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
Western blot analysis of lysate from HepG2 cell line, using AGXT2 Antibody (C-term). AAA285982 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug per lane.

ADDITIONAL INFORMATION

Related Product Information for anti-AGXT2 antibody	The protein encoded by this gene is a class III pyridoxal-phosphate-dependent mitochondrial aminotransferase. It catalyzes the conversion of glyoxylate to glycine using L-alanine as the amino donor.
Product Categories/Family for anti-AGXT2 antibody	Signal Transduction
References	Rodionov, R.N., et al. J. Biol. Chem. 285(8):5385-5391(2010) Baker, P.R., et al. Am. J. Physiol., Cell Physiol. 287 (5), C1359-C1365 (2004)

NCBI AND UNIPROT INFORMATION

NCBI GI #	13994255
NCBI GeneID	64902
NCBI Accession #	NP_114106.1
NCBI GenBank Nucleotide #	NM_031900.3
UniProt Accession #	Q9BYV1 ; Q53FB4 ; Q53FY7 ; Q53G03 ; Q5W7Q1 ; B7ZM47 ; E9PDL7
Molecular Weight	57156
NCBI Official Full Name	alanine--glyoxylate aminotransferase 2, mitochondrial isoform a
NCBI Official Synonym Full Names	alanine--glyoxylate aminotransferase 2
NCBI Official Symbol	AGXT2
NCBI Official Synonym Symbols	AGT2; DAIBAT
NCBI Protein Information	alanine--glyoxylate aminotransferase 2, mitochondrial
UniProt Protein Name	Alanine--glyoxylate aminotransferase 2, mitochondrial
UniProt Gene Name	AGXT2
UniProt Synonym Gene Names	AGT2; AGT 2
UniProt Entry Name	AGT2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

