

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

AGXT2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA234506	Rabbit	Human	Immunofluorescence, Western Blot, ELISA

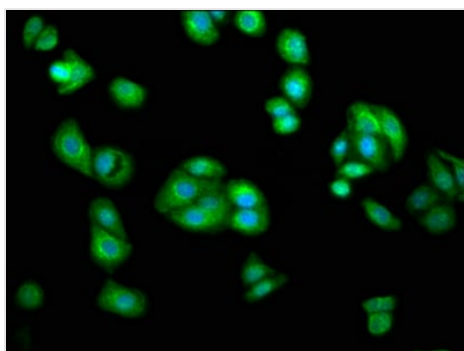
PRODUCT SYNONYMS

AGXT2; Polyclonal Antibody; AGXT2 Antibody; 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

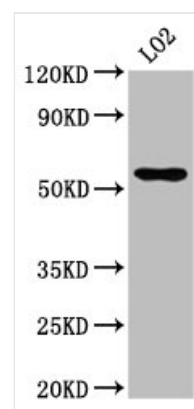
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	439
Applicable Applications for anti-AGXT2 antibody	IF (Immunofluorescence), WB (Western Blot), ELISA
Immunogen	Recombinant Human Alanine--glyoxylate aminotransferase 2, mitochondrial protein (196-328AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of HepG2 cells with AAA234506 at 1:233, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



WB (Western Blot)

Western Blot Positive WB detected in: LO2 whole cell lysate All lanes: AGXT2 antibody at 4.9ug/ml Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 58, 50 kDa Observed band size: 58 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-AGXT2 antibody	Can metabolize asymmetric dimethylarginine (ADMA) via transamination to alpha-keto-delta-(NN-dimethylguanidino) valeric acid (DMGV). ADMA is a potent inhibitor of nitric-oxide (NO) synthase, and this activity provides mechanism through which the kidney regulates blood pressure.
Product Categories/Family for anti-AGXT2 antibody	Cancer; Metabolism; Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	807201160
NCBI GeneID	64902
NCBI Accession #	NP_001293102.1
NCBI GenBank Nucleotide #	NM_001306173.1
UniProt Accession #	Q9BYV1; Q53FB4; Q53FY7; Q53G03; Q5W7Q1; B7ZM47; E9PDL7
Molecular Weight	49,297 Da
NCBI Official Full Name	alanine--glyoxylate aminotransferase 2, mitochondrial isoform b
NCBI Official Synonym Full Names	alanine--glyoxylate aminotransferase 2
NCBI Official Symbol	AGXT2
NCBI Official Synonym Symbols	AGT2; BAIBA; 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

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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/agxt2-antibody-immunofluorescence-western-blot-elisa/234506>