

Rabbit AGXT2 Polyclonal Antibody | anti-AGXT2 antibody

AGXT2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327834	Rabbit	Human, Mouse, Rat	Immunohistochemistry, ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

AGXT2; Polyclonal Antibody; AGXT2 Antibody; (R)-3-amino-2-methylpropionate--pyruvate transaminase; AGT2; AI303810; AI663818; Alanine glyoxylate aminotransferase 2; Alanine glyoxylate aminotransferase 2 mitochondrial; Beta-ALAAT II; Beta-alanine-pyruvate aminotransferase; DAIBAT; anti-AGXT2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	AGXT2 antibody detects endogenous levels of total AGXT2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	439
Applicable Applications for anti-AGXT2 antibody	IHC (Immunohistochemistry), ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human AGXT2
Subcellular Location	Mitochondrial
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit
Similarity	Pig (100%), Bovine (100%), Horse (86%), Sheep (100%), Rabbit (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of AGXT2 using COLO205 whole cell lysates



IF (Immunofluorescence)

AAA327834 staining LOVO by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



IHC (Immunohistochemistry)

AAA327834 at 1/100 staining Mouse kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-AGXT2 antibody	Function: 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. Subunit Structure: Homotetramer. Similarity: Belongs to the class-III pyridoxal-phosphate-dependent aminotransferase family.
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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	Observed: 57 kDa Predicted: 58 kDa
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://stage.aaabiotech.com/polyclonal/agxt2-antibody-immunohistochemistry-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/327834>