

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

Anti-AGXT2 Antibody, Rabbit Polyclonal

CATALOG # AAA256907	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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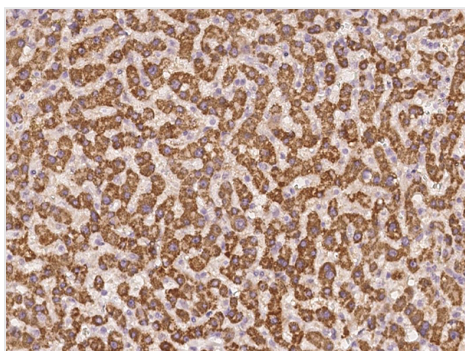
PRODUCT SYNONYMS

AGXT2; Polyclonal Antibody; Anti-AGXT2 Antibody; Rabbit Polyclonal; AGXT2 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-AGT2 Antibody; Anti-DAIBAT Antibody; anti-AGXT2 antibody

PRODUCT SPECIFICATIONS

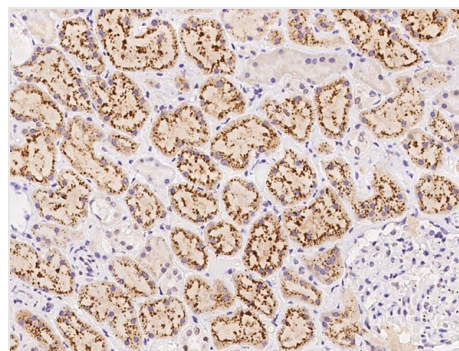
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human AGXT2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-AGXT2 antibody	IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human AGXT2 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human AGXT2 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of human AGXT2 in human liver with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human AGXT2 in human kidney with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-AGXT2 antibody	There are two known alanine-glyoxylate aminotransferase (AGXT) isoenzymes in mammals: AGXT1 and AGXT2, both of which catalyze the transfer of an amino group from alanine to glyoxylate. Alanine-glyoxylate aminotransferase 2 (AGXT2) is a multifunctional mitochondrial aminotransferase that functions as a tetramer with a subunit molecular weight of 50-56 kDa. Unlike AGXT1, AGXT2 is localized only in mitochondria in all examined mammalian species. Human AGXT2 is encoded by a nuclear gene located on chromosome 5. After synthesis in the cytoplasm, AGXT2 is transported to mitochondria, where its 41 amino acid N-terminal mitochondrial targeting sequence is cleaved, which leads to formation of the mature form of the enzyme. AGXT2 is primarily expressed in the kidney and liver. Some of the multiple substrates and products of AGXT2 may contribute to the pathogenesis of cardiovascular, renal, neurological and hematological diseases. AGXT2 plays a unique role at the intersection of several key mitochondrial catabolic and anabolic pathways, and it serves as a potential therapeutic drug target.
References	Rodionov RN, et al. (2014) Agxt2: A promiscuous aminotransferase. Trends Pharmacol Sci 35 (11): 575-582.Kittel A, et al. (2014) Alanine-glyoxylate aminotransferase 2 (agxt2) polymorphisms have considerable impact on methylarginine and beta-aminoisobutyrate metabolism in healthy volunteers. PLoS One 9 (2): e88544.Gao Y, et al. (2017) Digenic mutations on scap and agxt2 predispose to premature myocardial infarction. Oncotarget 8 (59): 100141-100149.

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-immunohistochemistry-elisa/256907>