

Product datasheet

Anti-AGXT2 antibody ab237622

4 Images

Overview

Product name	Anti-AGXT2 antibody
Description	Rabbit polyclonal to AGXT2
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, IHC-P, WB
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment corresponding to Human AGXT2 aa 196-328. Database link: Q9BYV1
Positive control	WB: LO2 whole cell lysate. IHC-P: Human liver and kidney tissue. ICC/IF: HepG2 cells.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol (glycerin, glycerine), PBS
Purity	Protein G purified
Purification notes	Purity greater than 95%.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab237622 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		1/200 - 1/500.
IHC-P		1/500 - 1/1000.
WB		1/500 - 1/5000.

Target

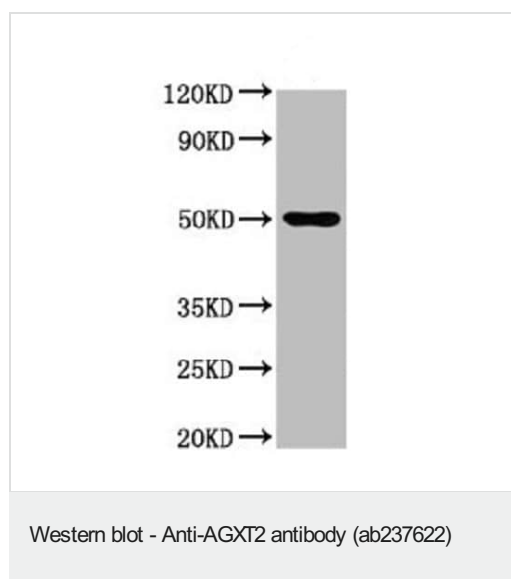
Relevance

AGXT2 is a class III pyridoxal-phosphate-dependent mitochondrial aminotransferase. It catalyzes the conversion of glyoxylate to glycine using L-alanine as the amino donor.

Cellular localization

Mitochondrial

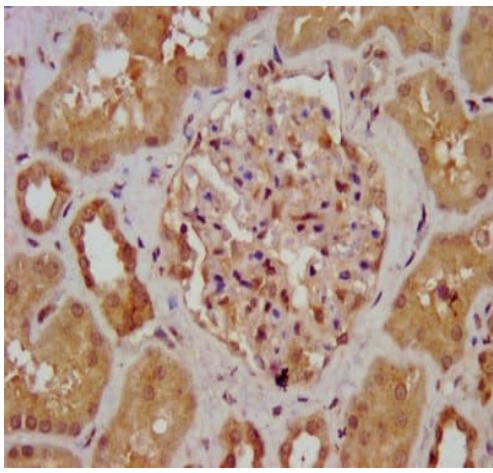
Images



Anti-AGXT2 antibody (ab237622) at 1/500 dilution + LO2 (human immortal liver cell line) whole cell lysate

Secondary

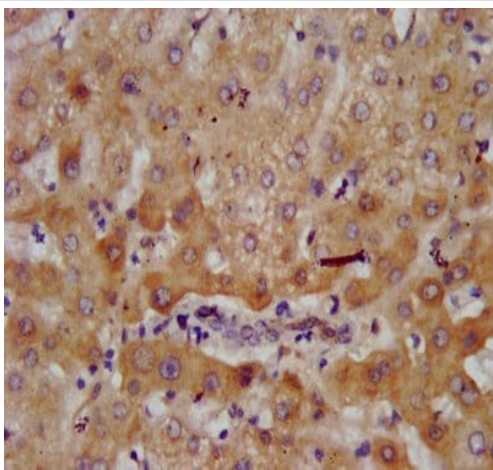
Goat polyclonal to rabbit IgG at 1/50000 dilution



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-AGXT2 antibody (ab237622)

Paraffin-embedded human kidney tissue stained for AGXT2 with ab237622 at a 1/700 dilution in immunohistochemical analysis.

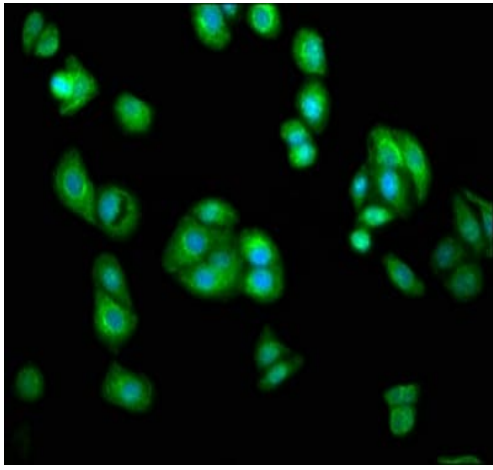
After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30 minutes at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-AGXT2 antibody (ab237622)

Paraffin-embedded human liver tissue stained for AGXT2 with ab237622 at a 1/700 dilution in immunohistochemical analysis.

After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30 minutes at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Immunocytochemistry/ Immunofluorescence - Anti-AGXT2 antibody (ab237622)

HepG2 (human liver hepatocellular carcinoma cell line) cells stained for AGXT2 using ab237622 at a dilution of 1/233 in ICC/IF.

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 primary antibody overnight at 4°C. Secondary used is an Alexa-Fluor®488-conjugated Goat Anti-Rabbit IgG (H+L). Counterstained with DAPI.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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