abcam

Product datasheet

Anti-AGXT antibody [EPR13232-59] ab178699

Recombinant RabMAb

2 References 2 Images

Overview

Product name	Anti-AGXT antibody [EPR13232-59]
Description	Rabbit monoclonal [EPR13232-59] to AGXT
Host species	Rabbit
Tested applications	**Suitable for:** WB **Unsuitable for:** Flow Cyt,ICC/IF or IP
Species reactivity	**Reacts with:** Human **Predicted to work with:** Mouse, Rat
Immunogen	Recombinant fragment within Human AGXT aa 100-250. The exact sequence is proprietary. Database link: **P21549**
Positive control	HepG2 and Human fetal liver lysates; HepG2 cells.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

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: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Tissue culture supernatant
Clonality	Monoclonal

Clone number	EPR13232-59
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab178699 in the following tested applications.

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

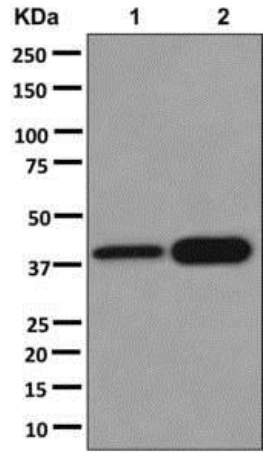
Application	Abreviews	Notes
WB		1/1000 - 1/10000. Detects a band of approximately 40 kDa (predicted molecular weight: 43 kDa).

Application notes Is unsuitable for Flow Cyt,ICC/IF or IP.

Target

Tissue specificity	Liver.
Involvement in disease	Defects in AGXT are the cause of hyperoxaluria primary type 1 (HP1) [MIM:259900]; also known as primary hyperoxaluria type I (PH1) and oxalosis I. HP1 is a rare autosomal recessive inborn error of glyoxylate metabolism characterized by increased excretion of oxalate and glycolate, and the progressive accumulation of insoluble calcium oxalate in the kidney and urinary tract.
Sequence similarities	Belongs to the class-V pyridoxal-phosphate-dependent aminotransferase family.
Cellular localization	Peroxisome. Mitochondrion matrix. Except in some HP1 patients where AGT is found in the mitochondrial matrix.

Images



Western blot - Anti-AGXT antibody [EPR13232-59] (ab178699)

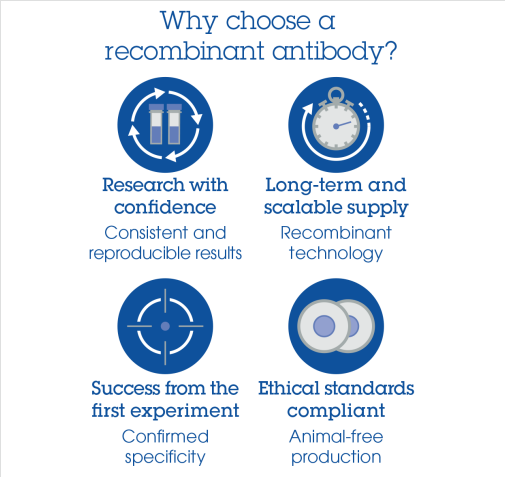
All lanes : Anti-AGXT antibody [EPR13232-59] (ab178699) at 1/1000 dilution

Lane 1 : HepG2 cell lysate

Lane 2 : Human fetal liver tissue lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 43 kDa



Anti-AGXT antibody [EPR13232-59] (ab178699)

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