abcam

Product datasheet

Anti-AGXT antibody [1F9BC7] ab110313

2 Images

Overview

Product name	Anti-AGXT antibody [1F9BC7]
Description	Mouse monoclonal [1F9BC7] to AGXT
Host species	Mouse
Tested applications	**Suitable for:** ICC/IF, IP
Species reactivity	**Reacts with:** Rat, Cow, Human
Immunogen	This information is considered to be commercially sensitive.
Positive control	HepG2 cells; Human and Rat liver, Bovine heart and HepG2 cell lysates.
General notes	This antibody clone is manufactured by Abcam. Product was previously marketed under the MitoSciences sub-brand. If you require this antibody in a particular buffer formulation or a particular conjugate for your experiments, please contact orders@abcam.com or you can find further information here.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	Preservative: 0.02% Sodium azide Constituent: HEPES buffered saline
Purification notes	ab110313 was produced in vitro using hybridomas grown in serum-free medium, and then purified by biochemical fractionation. Purity: >95% by SDS-PAGE.
Clonality	Monoclonal
Clone number	1F9BC7
Isotype	IgG1
Light chain type	kappa

Applications

Our Abpromise guarantee covers the use of **ab110313** in the following tested applications.

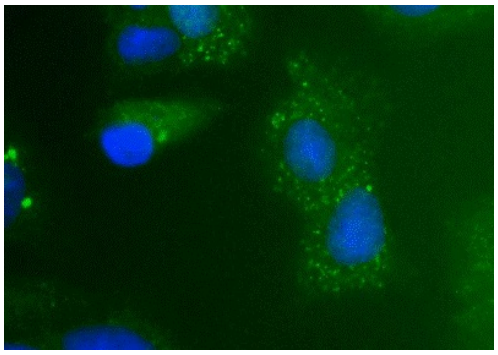
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		Use a concentration of 5 µg/ml.
IP		Use at an assay dependent concentration.

Target

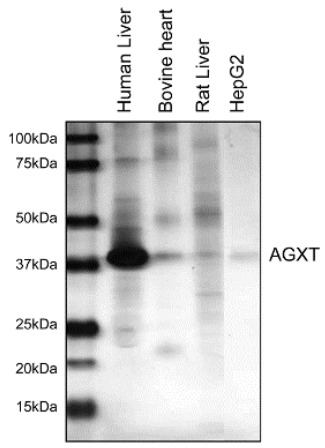
Tissue specificity	Liver.
Involvement in disease	Defects in AGXT are the cause of hyperoxaluria primary type 1 (HP1) [MIM:259900]; also known as primary hyperoxaluria type I (PH1) and oxalosis I. HP1 is a rare autosomal recessive inborn error of glyoxylate metabolism characterized by increased excretion 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



Immunocytochemistry/ Immunofluorescence - Anti-AGXT antibody [1F9BC7] (ab110313)

Immunocytochemistry analysis using ab110313 at 5 ug/ml staining AGXT in HepG2 cells (4% paraformaldehyde fixed and 0.1% Triton X-100 permeabilized) followed by Alexa Fluor® 488 goat anti-mouse IgG (H+L) used at a 1/1000 dilution for 1 hour (green).



Immunoprecipitation - Anti-AGXT antibody [1F9BC7] (ab110313)

Using MitoSciences' standard immunoprecipitation protocol, ab110313 precipicates with the 43kDa AGXT protein in human liver samples. Very small amounts of AGXT are immunoprecipitated from bovine heart, rat liver or human HepG2 cultured cell lysate. Identity of this protein was confirmed by mass spectrometry. This gel was stained with silver.

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