

Datasheet for ABIN6136660
anti-AGXT antibody (AA 183-392)



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2 Images

Overview

Quantity:	100 µL
Target:	AGXT
Binding Specificity:	AA 183-392
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AGXT antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 183-392 of human AGXT (NP_000021.1).
Sequence:	DSVASLGGTP LYMDRQGIDI LYSGSQKALN APPGTSLISF SDKAKKKMYS RKT KPFSFYL DIKWLANFWG CDDQPRMYHH TIPVISLYSL RESLALIAEQ GLENSWRQHR EAAAYLHGRL QALGLQLFVK DPALRLPTVT TVAVPAGYDW RDIVSYVIDH FDIEIMGGLG PSTGKVLIRIG LLGCNATREN VDRVTEALRA ALQHCPKKKL
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

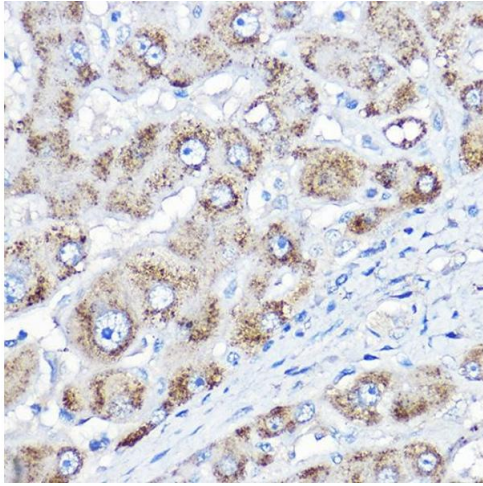
Target:	AGXT
Alternative Name:	AGXT (AGXT Products)
Background:	This gene is expressed only in the liver and the encoded protein is localized mostly in the peroxisomes, where it is involved in glyoxylate detoxification. Mutations in this gene, some of which alter subcellular targeting, have been associated with type I primary hyperoxaluria.,AGXT,AGT,AGT1,AGXT1,PH1,SPAT,SPT,TLH6,Signal Transduction,Endocrine & Metabolism,Amino acid metabolism,AGXT
Molecular Weight:	43 kDa
Gene ID:	189
UniProt:	P21549
Pathways:	Monocarboxylic Acid Catabolic Process , Dicarboxylic Acid Transport

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

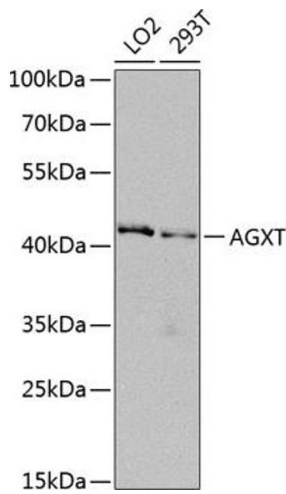
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human liver using AGXT Rabbit pAb at dilution of 1:150 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using AGXT antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.