

For Research Use Only

# AGXT Recombinant antibody

Catalog Number: 83385-6-RR



## Basic Information

<b>Catalog Number:</b> 83385-6-RR	<b>GenBank Accession Number:</b> BC132819	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 189	<b>CloneNo.:</b> 240305E7
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P21549	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IF/ICC 1:50-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> alanine-glyoxylate aminotransferase	
<b>Immunogen Catalog Number:</b> AG18062	<b>Calculated MW:</b> 392 aa, 43 kDa	
	<b>Observed MW:</b> 43 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, FC (Intra), ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	<b>WB :</b> HepG2 cells, L02 cells, HuH-7 cells <b>IF/ICC :</b> HeLa cells,

## Background Information

AGXT (AGT) is a key enzyme in glyoxylate detoxification. Mutations of AGXT lead to primary hyperoxaluria type I, a rare metabolic disease which is characterized by deficient AGXT, excessive hepatic oxalate production that leads to renal failure.

## Storage

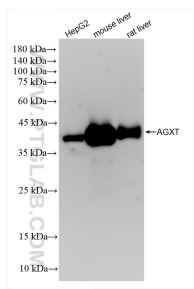
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

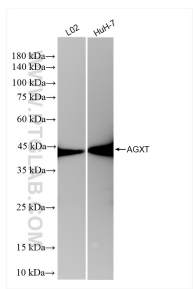
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

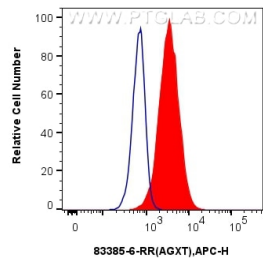
Selected Validation Data



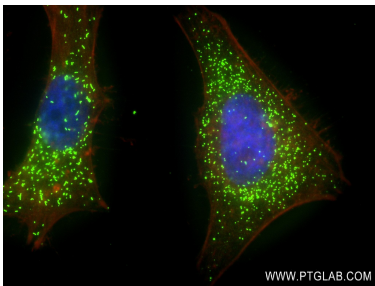
Various lysates were subjected to SDS PAGE followed by western blot with 83385-6-RR (AGXT antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



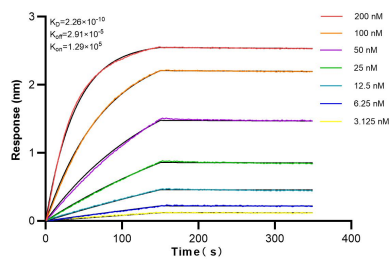
Various lysates were subjected to SDS PAGE followed by western blot with 83385-6-RR (AGXT antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



1x10<sup>6</sup> HepG2 cells were intracellularly stained with 0.25 ug AGXT Recombinant antibody (83385-6-RR, Clone:240305E7) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using AGXT antibody (83385-6-RR, Clone: 240305E7 ) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Biolayer interferometry (BLI) kinetic assays of 83385-6-RR against Human AGXT were performed. The affinity constant is 0.226 nM.