

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> 1000 µg/ml	<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 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, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> Human	<b>WB :</b> HepG2 cells, L02 cells, HuH-7 cells <b>IF :</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

For technical support and original validation data for this product please contact:

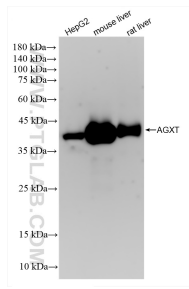
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

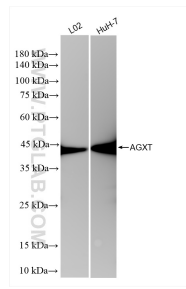
W: [ptgcn.com](http://ptgcn.com)

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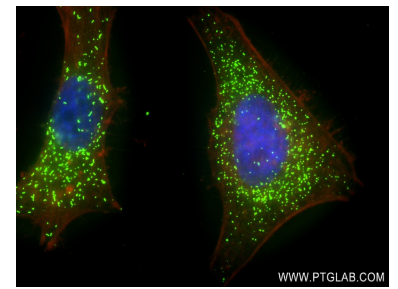
## Selected Validation Data



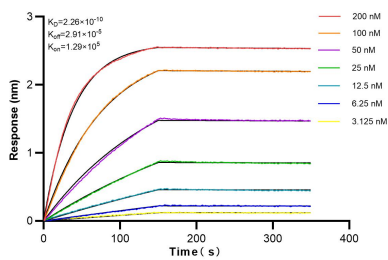
Various lysates were subjected to SDS PAGE followed by western blot with 83385-6-RR (AGXT antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



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.



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 AffiniPure 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.