

For Research Use Only

GGT1 Recombinant antibody, PBS Only

Catalog Number: 83304-1-PBS



Basic Information

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|--|--|---|
| Catalog Number: 83304-1-PBS | GenBank Accession Number: NM_013430 | Purification Method: Protein A purification |
| Size: 100ug , Concentration: 1mg/ml by Nanodrop; | GeneID (NCBI): 2678 | CloneNo.: 230428B5 |
| Source: Rabbit | UNIPROT ID: P19440 | |
| Isotype: IgG | Full Name: gamma-glutamyltransferase 1 | |
| Immunogen Catalog Number: AG34209 | Calculated MW: 61 kDa | |
| | Observed MW: 24 kDa | |

Applications

Tested Applications:
WB, IHC, Indirect ELISA

Species Specificity:
human

Background Information

GGT1 is a transpeptidase whose activity increases the availability of amino acids, primarily cysteine, for intracellular GSH synthesis. GGT1 also plays a critical role in maintaining GSH homeostasis and defense against oxidative stress. In liver and obstructive biliary diseases, circulating GGT1 activity has widely been used for diagnosis purposes, as well as an indicator of alcohol consumption. (PMID: 31151999)

Storage

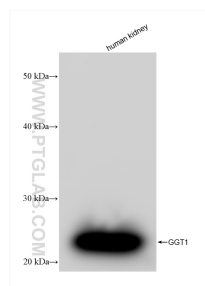
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

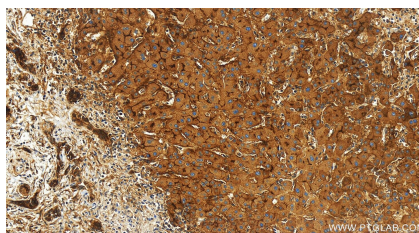
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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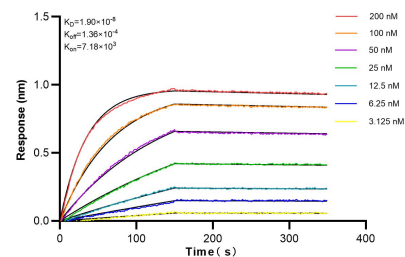
Selected Validation Data



Human kidney tissue were subjected to SDS PAGE followed by western blot with 83304-1-RR (GGT1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83304-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 83304-1-RR (GGT1 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83304-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 83304-1-RR against Mouse GGT1 were performed. The affinity constant is 0.527 nM.