GGT1 Recombinant antibody

Catalog Number:83304-1-RR

proteintech®
Antibodies | ELISA kits | Proteins
Uni-rAb
www.ptglab.com

Basic Information

Catalog Number:
83304-1-RR

Size:
1000 ug/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG34209

GenBank Accession Number:
NM_013430

GeneID (NCBI):
2678

UNIPROT ID:
P19440

Full Name:
gamma-glutamyltransferase 1

Calculated MW:
61 kDa

Observed MW:
24 kDa

Purification Method:
Protein A purfication

CloneNo.:
230428B5

Recommended Dilutions:
WB 1:5000-1:50000
IHC 1:500-1:2000

Applications

Tested Applications:
WB, IHC, ELISA

Species Specificity:
human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : human kidney tissue,

IHC : human intrahepatic cholangiocarcinoma tissue,

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 -20℃. 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
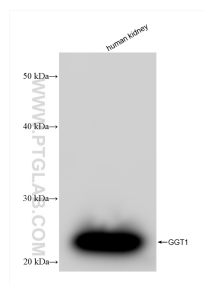

Human kidney tissue were subjected to SDS PAGE followed by western blot with 83304-1-RR (GGT1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.
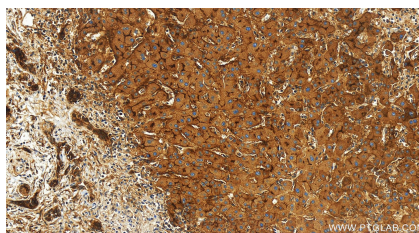
Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 83304-1-RR (GGT1 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).
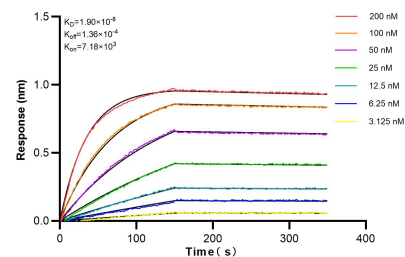
Biolayer interferometry (BLI) kinetic assays of 83304-1-RR against Mouse GGT1 were performed. The affinity constant is 0.527 nM.