

GATC Polyclonal antibody

Catalog Number: 23183-1-AP

Basic Information

Catalog Number:

23183-1-AP

Size:

600 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG19713

GenBank Accession Number:

BC107145

GeneID (NCBI):

283459

UNIPROT ID:

O43716

Full Name:

glutamyl-tRNA(Gln)
amidotransferase, subunit C homolog
(bacterial)

Calculated MW:

136 aa, 15 kDa

Observed MW:

15 kDa

Purification Method:

Antigen Affinity purified

Recommended Dilutions:

IP 0.5-4.0 µg for 1.0-3.0 mg of total
protein lysate
IHC 1:50-1:500

Applications

Tested Applications:

IHC, IP, ELISA

Species Specificity:

human, mouse

**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:

IP : mouse liver tissue,

IHC : human liver tissue, human appendicitis tissue

Background Information

GATC encodes a subunit of the glutamyl-tRNA(Gln) amidotransferase protein complex (GatCAB), which plays a role in aminoacylation of mitochondrial glutaminyl mt-tRNA. The complex plays a role in mitochondrial translation and protein synthesis (PubMed: 30283131).

Storage

Storage:

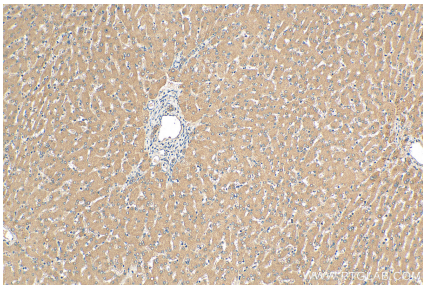
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

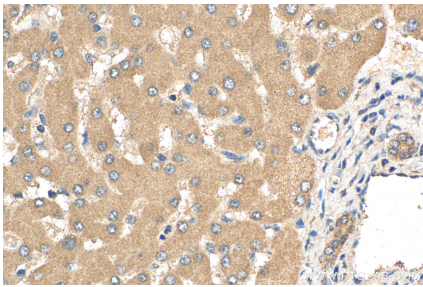
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

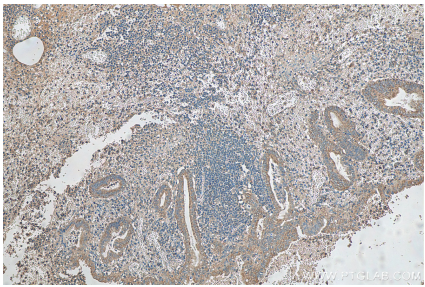
Selected Validation Data



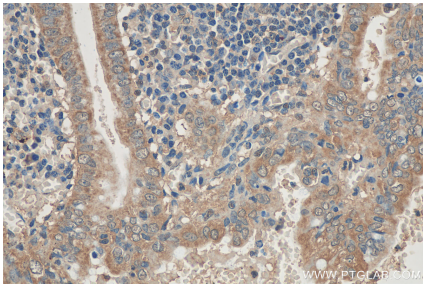
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 23183-1-AP (GATC antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



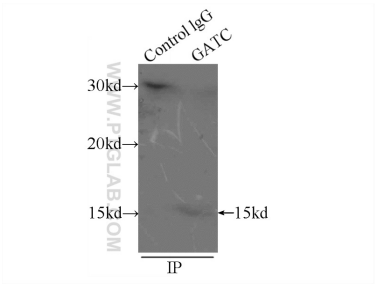
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 23183-1-AP (GATC antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human appendicitis tissue slide using 23183-1-AP (GATC antibody) at dilution of 1:400 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human appendicitis tissue slide using 23183-1-AP (GATC antibody) at dilution of 1:400 (under 40x lens).



IP result of anti-GATC (IP:23183-1-AP, 3ug; Detection:23183-1-AP 1:500) with mouse liver tissue lysate 12500ug.