

For Research Use Only

GATC Polyclonal antibody

Catalog Number: 23183-1-AP



Basic Information

Catalog Number:

23183-1-AP

Size:

150ul, Concentration: 300 ug/ml by Nanodrop and 173 ug/ml by Bradford method using BSA as the standard;

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 ug for 1.0-3.0 mg of total
protein lysate
IHC 1:50-1:500

Applications

Tested Applications:

IP, IHC, 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 an 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

*** 20ul sizes contain 0.1% BSA

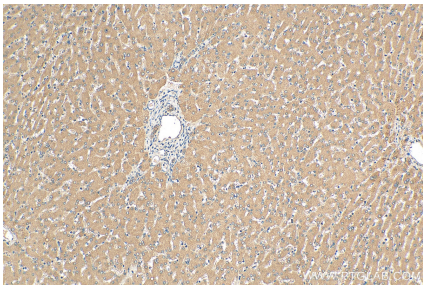
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

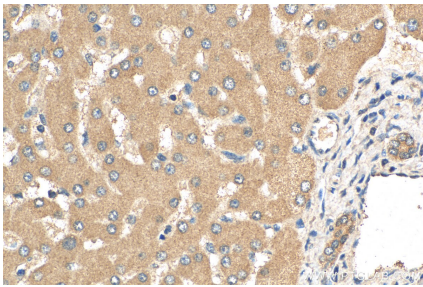
E: proteintech@ptglab.com
W: ptglab.com

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

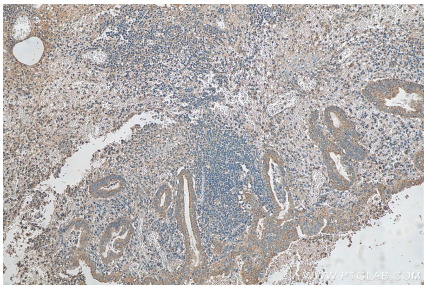
Selected Validation Data



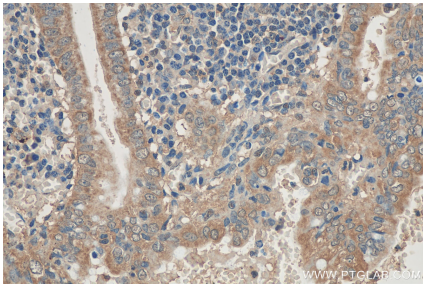
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 23183-1-AP (GATC antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



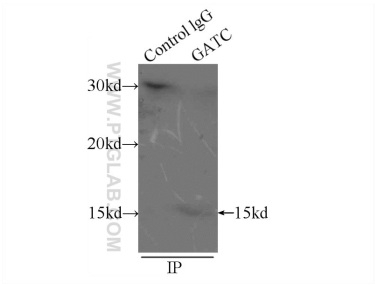
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 23183-1-AP (GATC antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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.