

Rabbit anti-Human GATB Polyclonal Antibody | anti-GATB antibody

GATB Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA234973	Rabbit	Human	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

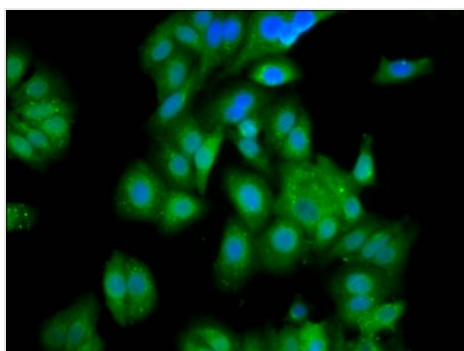
PRODUCT SYNONYMS

GATB; Polyclonal Antibody; GATB Antibody; Glutamyl-tRNA(Gln) amidotransferase subunit B; mitochondrial; Cytochrome c oxidase assembly factor PET112 homolog; anti-GATB antibody

PRODUCT SPECIFICATIONS

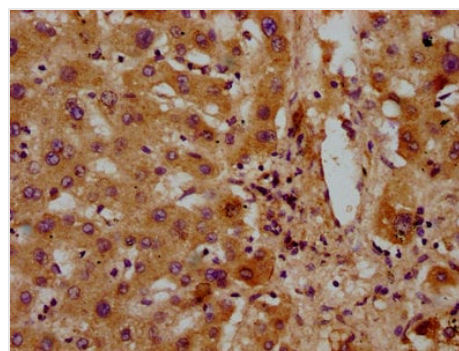
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	557
Applicable Applications for anti-GATB antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant Human Glutamyl-tRNA(Gln) amidotransferase subunit B, mitochondrial protein (301-383AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



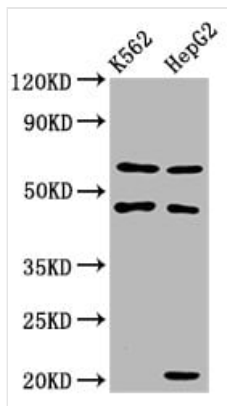
IHC (Immunohistochemistry)

Immunofluorescence staining of HepG2 cells with AAA234973 at 1:100, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



IHC (Immunohistochemistry)

IHC image of AAA234973 diluted at 1:300 and staining in paraffin-embedded human liver tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



WB (Western Blot)

Western BlotPositive WB detected in: K562 whole cell lysate, HepG2 whole cell lysateAll lanes: GATB antibody at 3.4ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 62 KDaObserved band size: 62 KDa

ADDITIONAL INFORMATION

Related Product Information for anti-GATB antibody	Allows the formation of correctly charged Gln-tRNA(Gln) through the transamidation of misacylated Glu-tRNA(Gln) in the mitochondria. The reaction takes place in the presence of glutamine and ATP through an activated gamma-phospho-Glu-tRNA(Gln).
Product Categories/Family for anti-GATB antibody	Epigenetics and Nuclear Signaling; Tags & Cell Markers; Metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758894
NCBI GeneID	5188
NCBI Accession #	NP_004555.1
NCBI GenBank Nucleotide #	NM_004564.2
UniProt Accession #	O75879; Q4W5M8; Q53GP4; Q9P0S6; Q9Y2B8
Molecular Weight	61,864 Da
NCBI Official Full Name	glutamyl-tRNA(Gln) amidotransferase subunit B, mitochondrial
NCBI Official Synonym Full Names	glutamyl-tRNA amidotransferase subunit B
NCBI Official Symbol	GATB
NCBI Official Synonym Symbols	PET112; HSPC199; PET112L
NCBI Protein Information	glutamyl-tRNA(Gln) amidotransferase subunit B, mitochondrial
UniProt Protein Name	Glutamyl-tRNA(Gln) amidotransferase subunit B, mitochondrial
UniProt Gene Name	GATB
UniProt Synonym Gene Names	Glu-AdT subunit B

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.