

Rabbit GOT2 Polyclonal Antibody | anti-GOT2 antibody

Anti-GOT2 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254936	Rabbit	Human, Mouse, RatPredicted to React with: Cynomolgus (Species predicted to react based on 100% sequence homology)	Immunohistochemistry, Western Blot

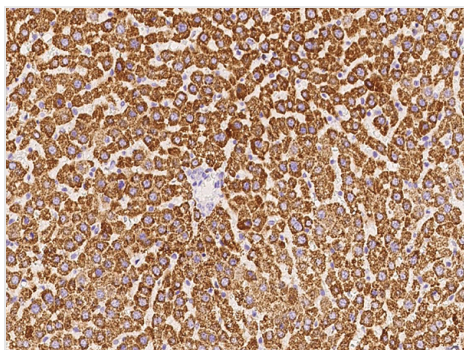
PRODUCT SYNONYMS

GOT2; Polyclonal Antibody; Anti-GOT2 Antibody; Rabbit Polyclonal; GOT2 Antibody; Rabbit PAb; Antigen Affinity Purified; glutamic-oxaloacetic transaminase 2; mitochondrial; Anti-KAT4 Antibody; Anti-KATIV Antibody; Anti-mitAAT Antibody; anti-GOT2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted to React with: Cynomolgus (Species predicted to react based on 100% sequence homology)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human GOT2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-GOT2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the center region of the Human GOT2
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Human GOT2, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



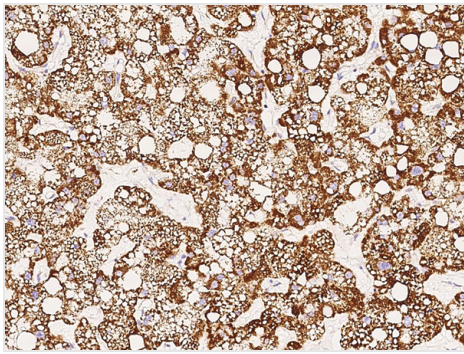
IHC (Immunohistochemistry)

Immunochemical staining GOT2 in rat liver with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.



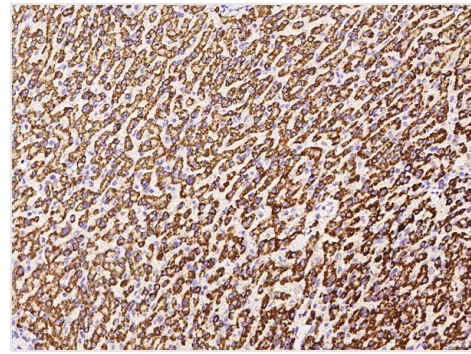
IHC (Immunohistochemistry)

Immunochemical staining GOT2 in mouse liver with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.



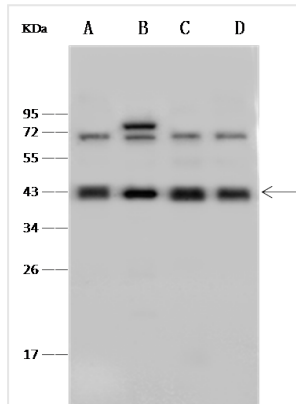
IHC (Immunohistochemistry)

Immunochemical staining GOT2 in human hepatoma with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining GOT2 in human liver with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-GOT2 rabbit polyclonal antibody at 1:500 dilution Lane A: HeLa Whole Cell Lysate Lane B: HepG2 Whole Cell Lysate Lane C: HL60 Whole Cell Lysate Lane D: 293T Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 48 kDa Observed band size: 43 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-GOT2 antibody

GOT2 (Glutamic-Oxaloacetic Transaminase 2) is a Protein Coding gene. 2 alternatively spliced human isoforms have been reported. The encoded protein is a mitochondrial enzyme that oxidizes glutamate to produce alpha-ketoglutarate for the Krebs cycle, eventually leading to the production of adenosine triphosphate (ATP). GOT2 belongs to the class-I pyridoxal-phosphate-dependent aminotransferase family. GOT2-mediated ATP synthesis may be a pivotal mechanism underlying the protective effect of febuxostat against neurodegeneration in experimental autoimmune encephalomyelitis (EAE). The high aberrant GOT2 expression is prognostic in diffuse large B-cell lymphoma. GOT2 is broadly expressed in the heart, liver, and other tissues. Diseases associated with GOT2 include Epileptic Encephalopathy, Early Infantile, 82, and Acute Vascular Insufficiency Of Intestine.

NCBI AND UNIPROT INFORMATION

NCBI GI #	73486658
NCBI GeneID	2806
NCBI Accession #	NP_002071.2
NCBI GenBank Nucleotide #	NM_002080.2
UniProt Accession #	P00505; Q53FL3; Q9BWA3
Molecular Weight	430
NCBI Official Full Name	aspartate aminotransferase, mitochondrial
NCBI Official Synonym Full Names	glutamic-oxaloacetic transaminase 2, mitochondrial

NCBI Official Symbol	GOT2
NCBI Official Synonym Symbols	KAT4; KATIV; mitAAT
NCBI Protein Information	aspartate aminotransferase, mitochondrial; FABP-1; FABPpm; mAspAT; transaminase A; aspartate transaminase 2; fatty acid-binding protein; aspartate aminotransferase 2; kynurenine aminotransferase 4; kynurenine aminotransferase IV; glutamate oxaloacetate tr
UniProt Protein Name	Aspartate aminotransferase, mitochondrial
UniProt Gene Name	GOT2
UniProt Synonym Gene Names	mAspAT; FABP-1; FABPpm
UniProt Entry Name	AATM_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/got2-antibody-immunohistochemistry-western-blot-elisa/254936>