

Mouse anti-Human GOT2 Monoclonal Antibody | anti-GOT2 antibody

Anti-GOT2 Antibody, Mouse Monoclonal

CATALOG # AAA254326	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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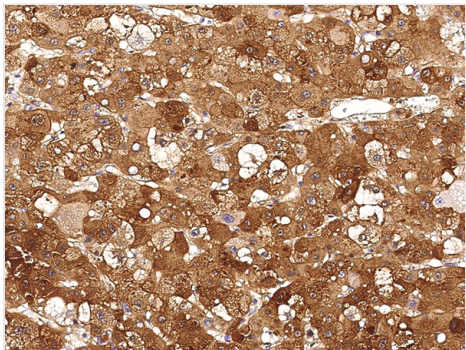
PRODUCT SYNONYMS

GOT2; Monoclonal Antibody; Anti-GOT2 Antibody; Mouse Monoclonal; GOT2 Antibody; Mouse MAb; glutamic-oxaloacetic transaminase 2; mitochondrial; Anti-KAT4 Antibody; Anti-KATIV Antibody; Anti-mitAAT Antibody; anti-GOT2 antibody

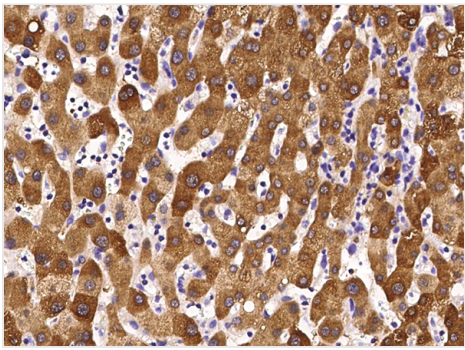
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	04
Specificity	Human GOT2
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-GOT2 antibody	IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to the C-terminus of the Human GOT2
Conjugation	Unconjugated
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with a synthetic peptide corresponding to the C-terminus of the Human GOT2. The IgG fraction of the cell culture supernatant was purified by Protein A 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 of human GOT2 in human hepatoma with mouse monoclonal antibody (1:100, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)
Immunochemical staining of human GOT2 in human liver with mouse monoclonal antibody (1:100, formalin-fixed paraffin embedded sections).

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.
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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.

