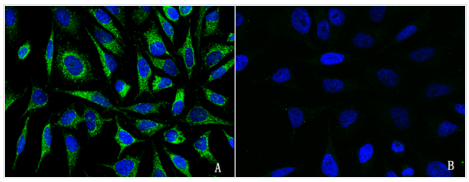
GOT2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GOT2, Polyclonal Antibody
Full Product Name	Anti-GOT2 Antibody, Rabbit Polyclonal
Product Gene Name	anti-GOT2 antibody
Product Synonym Names	GOT2 Antibody, Rabbit PAb, Antigen Affinity Purified; glutamic-oxaloacetic transaminase 2, mitochondrial; Anti-KAT4 Antibody; Anti-KATIV Antibody; Anti-mitAAT Antibody
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid; 0.2um filtered solution in PBS
Purity/Purification	Protein A & Antigen Affinity
Specificity	Human GOT2
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.
Molecular Weight	430
Chromosome Location	Chromosome: 16; NC_000016.9 (58741035..58768246, complement). Location: 16q21
OMIM	138150
3D Structure	ModBase 3D Structure for P00505
Immunogen	A synthetic peptide corresponding to the C-terminus of the Human GOT2
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the C-terminus of the Human GOT2, and purified by antigen affinity chromatography.
Applications Tested/Suitable for anti-GOT2 antibody	Immunocytochemistry (ICC), Immunofluorescence (IF)
Application Notes for anti-GOT2 antibody	ICC/IF: 1:300-1:10,000
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.
Other Notes	Small volumes of anti-GOT2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for GOT2 purchase	MBS8100648 is an antibody targeting GOT2. Also known as Anti-GOT2 Antibody, Rabbit Polyclonal. Reactive in Human. Host: Rabbit.



Immunofluorescence (IF) of anti-GOT2 antibody
Immunofluorescence staining of GOT2 in HeLa cells. Cells were fixed with 4% PFA,blocked with 10% serum. Then incubated with rabbit anti-human GOT2 polyclonal antibody (1:1000)(Figure A),incubated with rabbit anti-human GOT2 polyclonal antibody and antigen (Figure B) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to cytoplasm.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GOT2. It may not necessarily be applicable to this product.

NCBI GI #	73486658
NCBI GeneID	2806
NCBI Accession #	NP_002071.2
UniProt Primary Accession #	P00505
UniProt Secondary Accession #	Q53FL3; Q9BWA3
UniProt Related Accession #	P00505
GenBank Nucleotide #	NM_002080.2
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
UniProt Protein Name	Aspartate aminotransferase, mitochondrial
UniProt Synonym Protein Names	Fatty acid-binding protein; FABP-1; Glutamate oxaloacetate transaminase 2; Kynurenine aminotransferase 4; Kynurenine aminotransferase IV; Kynurenine--oxoglutarate transaminase 4; Kynurenine--oxoglutarate transaminase IV; Plasma membrane-associated fatty acid-binding protein; FABPpm; Transaminase A
UniProt Gene Name	GOT2
UniProt Synonym Gene Names	mAspAT; FABP-1; FABPpm
UniProt Entry Name	AATM_HUMAN
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
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