



GOT2 mouse mAb

Catalog No	YP-mAb-03480
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	got2
Immunogen	Recombinant protein corresponding to fragment (aa/225-430) GOT2 .
Specificity	This antibody detects endogenous levels of GOT2.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	KAT4;DEE82;KATIV;KYAT4;mitAAT;GOT2;AATM_HUMAN;AL022787; Aspartate aminotransferase;Aspartate aminotransferase 2;mitochondrial; ASPATA;EC 2.6.1.1;FABP 1;FABP pm;FABP-1;FABPpm;Fatty acid binding protein;Fatty acid-binding protein;FLJ40994;Glutamate oxaloacetate transaminase 2;Glutamate oxaloacetate transaminase;Glutamic oxaloacetic transaminase 2;mitochondrial (aspartate aminotransferase 2);Got 2;Kynurenine aminotransferase IV;mAspAT;MGC102129;MGC115763;Mitochondrial aspartate aminotransferase;OTTMUSP00000017748;Plasma membrane fatty acid binding protein;Plasma membrane-associated fatty acid-binding protein;Transaminase A.; mitochondrial; mitochondrial (aspartate aminotransferase 2)
Observed Band	47kD
Calculated Molecular Weight	47kD
Cell Pathway	Mitochondrion matrix . Cell membrane . Exposure to alcohol promotes translocation to the cell membrane. .
Tissue Specificity	Epithelium,Gastric mucosa,Muscle,
Function	catalytic activity:L-aspartate + 2-oxoglutarate = oxaloacetate + L-glutamate., cofactor:Pyridoxal phosphate.,function:Facilitates cellular uptake of long-chain free fatty acids.,miscellaneous:In eukaryotes there are cytoplasmic,



mitochondrial and chloroplastic isozymes.,similarity:Belongs to the class-I pyridoxal-phosphate-dependent aminotransferase family.,subunit:Homodimer.,

Background

Glutamic-oxaloacetic transaminase is a pyridoxal phosphate-dependent enzyme which exists in cytoplasmic and inner-membrane mitochondrial forms, GOT1 and GOT2, respectively. GOT plays a role in amino acid metabolism and the urea and tricarboxylic acid cycles. The two enzymes are homodimeric and show close homology. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2013],

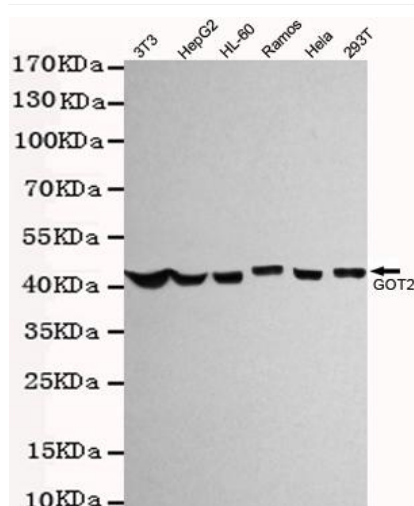
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot detection of GOT2 in 3T3, HepG2, HL-60, Ramos, Hela and 293T cell lysates using GOT2 antibody (1:1000 diluted). Predicted band size: 47 kDa. Observed band size: 47 kDa.