

GOT2 mouse mAb

Catalog No :	YM1470
Reactivity :	Human;Mouse
Applications :	WB
Target :	GOT2
Fields :	>>Arginine biosynthesis;>>Alanine, aspartate and glutamate metabolism;>>Cysteine and methionine metabolism;>>Arginine and proline metabolism;>>Tyrosine metabolism;>>Phenylalanine metabolism;>>Phenylalanine, tyrosine and tryptophan biosynthesis;>>Metabolic pathways;>>Carbon metabolism;>>2-Oxocarboxylic acid metabolism;>>Biosynthesis of amino acids;>>Fat digestion and absorption
Gene Name :	got2
Human Gene Id :	2806
Human Swiss Prot No :	P00505
Mouse Swiss Prot No :	P05202
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
Dilution :	WB 1:500-2000
Purification :	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year (Do not lower than -25°C)

Observed Band : 47kD

Cell Pathway : Alanine; aspartate and glutamate metabolism; Cysteine and methionine metabolism; Arginine and proline metabolism; Tyrosine metabolism; Phenylalanine metabolism; Phenylalanine; tyrosine and tryptophan biosynthesis

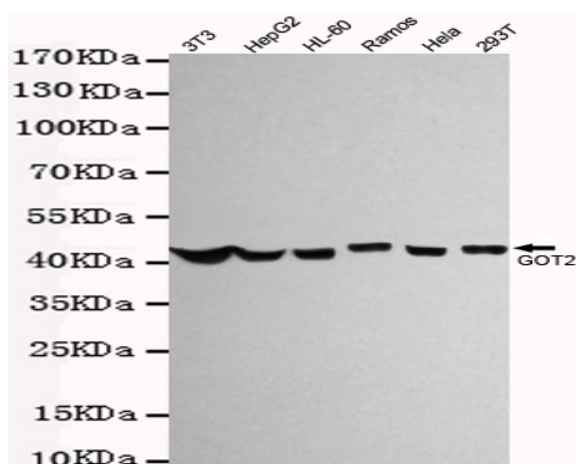
Background : Glutamic-oxaloacetic transaminase is a pyridoxal phosphate-dependent enzyme which exists in cytoplasmic and inner-membrane mitochondrial forms, GOT1 and GOT2, respectively. GOT plays a role in amino acid metabolism and the urea and tricarboxylic acid cycles. The two enzymes are homodimeric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

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.,

Subcellular Location : Mitochondrion matrix . Cell membrane . Exposure to alcohol promotes translocation to the cell membrane. .

Expression : Epithelium, Gastric mucosa, Muscle,

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.