

Anti-GOT2 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse (predicted:Rat,Rabbit)
Molecular Weight:	Theoretical: 45 kDa. Actual: 45 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Sample: HepG2 (Human) Cell Lysate at 30 µg Primary: Anti-GOT2 (TMAB-06644) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 45 kD Observed band size: 45 kD
	2. Sample: Muscle (Mouse) Lysate at 40 µg Primary: Anti-GOT2 (TMAB-06644) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 45 kD Observed band size: 45 kD
	Application: WB
	Recommended WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human GOT2
Antigen Species:	Human
Gene ID:	2806
Uniprot ID:	P00505

Research Background

GOT2 [Glutamate oxaloacetate transaminase] is a ubiquitous pyridoxal phosphate dependent enzyme which exists in both mitochondrial and cytosolic forms. The enzyme plays an important role in amino acid metabolism and in the urea and tricarboxylic acid cycles. The 2 isoenzymes are homodimeric. In liver about 80% of the enzyme activity is mitochondrial in origin, whereas in serum the enzyme activity is largely cytosolic. Although the mitochondrial and soluble forms of GOT are coded by different chromosomes, the 2 show close homology in amino acid sequence and were presumably derived from a common ancestral gene. Serum GOT [with SGPT] levels are usually elevated in states of hepatocellular injury (injury to the liver cells), the highest levels are associated with hepatitis of a viral origin. High levels are also found after myocardial infarction, when SGPT levels are lower.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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