

Anti-GOT1 Antibody (1G203)

Product Details

Ig Type:	IgG
Reactivity:	Human,Rat (predicted:Mouse)
Clone:	1G203
Purification:	Protein A purified

Applications

	<p>1. Blocking buffer: 5% NFDM/TBST Primary ab dilution: 1:1000 Primary ab incubation condition: 2 hours at room temperature Secondary ab: Goat Anti-Rabbit IgG H&L (HRP) Lysate: 1: HeLa, 2: Mouse heart, 3: Rat heart Protein loading quantity: 20 µg Exposure time: 60 s Predicted MW: 46 kDa Observed MW: 46 kDa</p> <p>2. Tissue: Human cerebrum Section type: Formalin fixed & Paraffin-embedded section Retrieval method: High temperature and high pressure</p>
Verified Activity:	<p>Retrieval buffer: Tris/EDTA buffer, pH 9.0 Primary ab dilution: 1:1000 Primary ab incubation condition: 1 hour at room temperature Secondary ab: SP Kit (Rabbit) Counter stain: Hematoxylin (Blue) Comment: Color brown is the positive signal for TMAB-06642</p> <p>3. Tissue: Rat kidney Section type: Formalin fixed & Paraffin-embedded section Retrieval method: High temperature and high pressure Retrieval buffer: Tris/EDTA buffer, pH 9.0 Primary ab dilution: 1:100 Primary ab incubation condition: 1 hour at room temperature Secondary ab: SP Kit (Rabbit) Counter stain: Hematoxylin (Blue) Comment: Color brown is the positive signal for TMAB-06642</p>
Application:	WB,IHC-P,IHC-Fr,IF
Recommended	WB: 1:500-1000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

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

Gene ID: 2805

Research Background

Aspartate Aminotransferase [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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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