

Anti-GOT2 Antibody (2H61)

Product Details

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| Ig Type: | Mouse IgG1 |
| Reactivity: | Human |
| Conjugation: | Unconjugated |
| Clone: | 2H61 |
| Purification: | Protein A |

Applications

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| Verified Activity: | 1. Immunochemical staining of human GOT2 in human liver with mouse monoclonal antibody (1:100, formalin-fixed paraffin embedded sections). |
| | 2. Immunochemical staining of human GOT2 in human hepatoma with mouse monoclonal antibody (1:100, formalin-fixed paraffin embedded sections). |
| Application: | IHC-P |
| Recommended | IHC-P: 1:50-1:200 |

Properties

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| 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. Preservative-Free. |
| Shipping: | Shipping with blue ice. |

Antigen Details

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| Immunogen: | A synthetic peptide: C-terminus of the Human GOT2 |
| Antigen Species: | Human |
| Synonyms: | mAspAT;KATIV;DEE82;KAT4;mitAAT;KYAT4 |

Research Background

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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