GOT1 Antibody

Catalog No: #33068

Package Size: #33068-1 50ul #33068-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

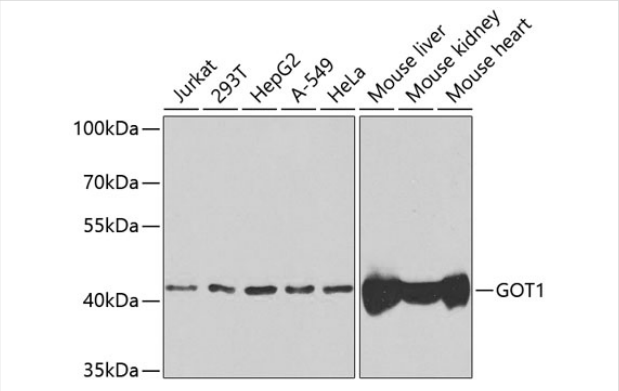
Description

Product Name	GOT1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IHC,IF
Species Reactivity	Human;Mouse;Rat
Specificity	The antibody detects endogenous level of total GOT1 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human GOT1.
Conjugates	Unconjugated
Target Name	GOT1
Other Names	cCAT; GIG18; cAspAT; ASTQTL1;
Accession No.	Swiss-Prot:P17174NCBI Gene ID:2805
SDS-PAGE MW	46KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

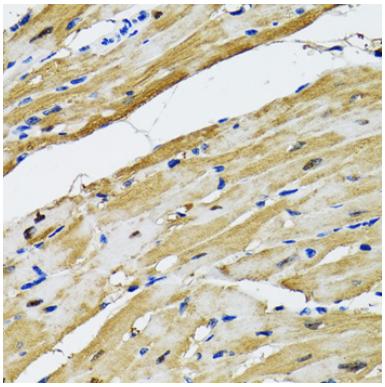
Application Details

WB□1:500 - 1:2000IHC□1:50 - 1:200IF□1:10 - 1:100

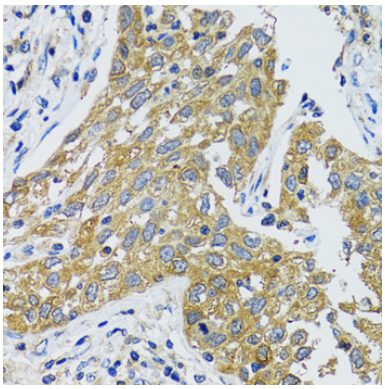
Images



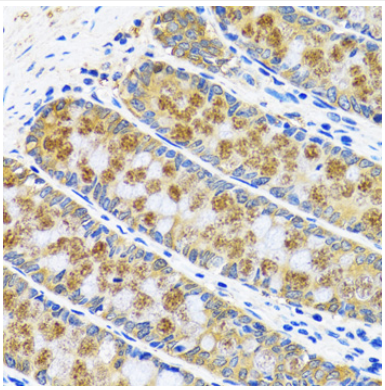
Western blot analysis of extracts of various cell lines, using GOT1 antibody at 1:1000 dilution.



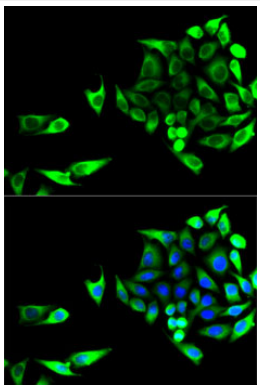
Immunohistochemistry of paraffin-embedded rat heart using GOT1 antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human lung cancer using GOT1 antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human colon using GOT1 antibody at dilution of 1:100 (40x lens).



Immunofluorescence analysis of U2OS cells using GOT1 antibody. Blue: DAPI for nuclear staining.

Background

Glutamic-oxaloacetic transaminase is a pyridoxal phosphate-dependent enzyme which exists in cytoplasmic and 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.

Published Papers

el at., c-Myc protects hepatocellular carcinoma cell from ferroptosis induced by glutamine deprivation via upregulating GOT1 and Nrf2InMol Biol RepOn2023 AugbyYuxiang Zhao?1,?Yue Wang et al..PMID:?37358765, , (2023)

PMID:37358765

Note: This product is for in vitro research use only and is not intended for use in humans or animals.