

GOT1 Antibody

Catalog No: #33068



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

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

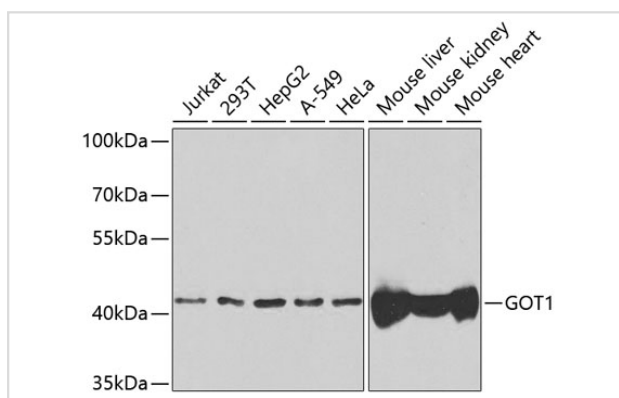
Description

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.
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 Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

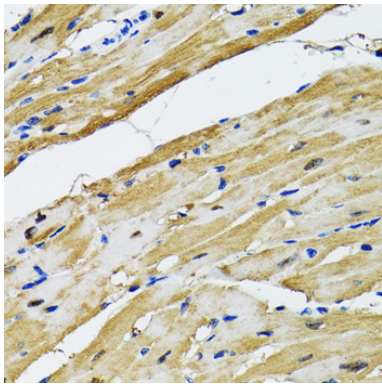
Application Details

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

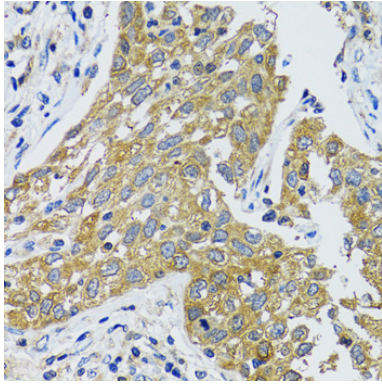
Images



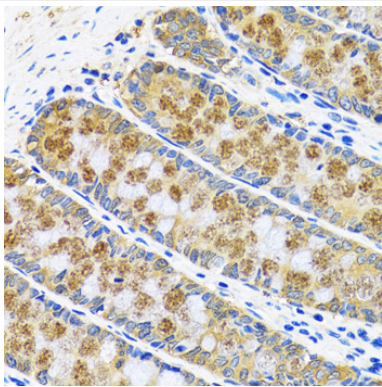
Western blot analysis of extracts of various cell lines, using GOT1 antibody at 1:1000 dilution.



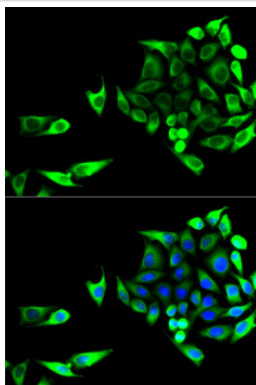
Immunohistochemistry of paraffin-embedded rat heart using GOT1 antibody at dilution of 1:100 (40x lens).



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.