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Product datasheet for TA346569

Aspartate Aminotransferase (GOT1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-GOT1 antibody: synthetic peptide directed towards the N terminal of human GOT1. Synthetic peptide located within the following region: MAPPSVFAEVPQAQPVLVFKLTADFREDPDPRKVNLGVGAYRTDDCHPWV
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. *Note that this product is shipped as lyophilized powder to China customers.*
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	46 kDa
Gene Name:	glutamic-oxaloacetic transaminase 1
Database Link:	NP_002070 Entrez Gene 2805 Human P17174
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. [provided by RefSeq, Jul 2008]
Synonyms:	ASTQTL1; cAspAT; cCAT; GIG18

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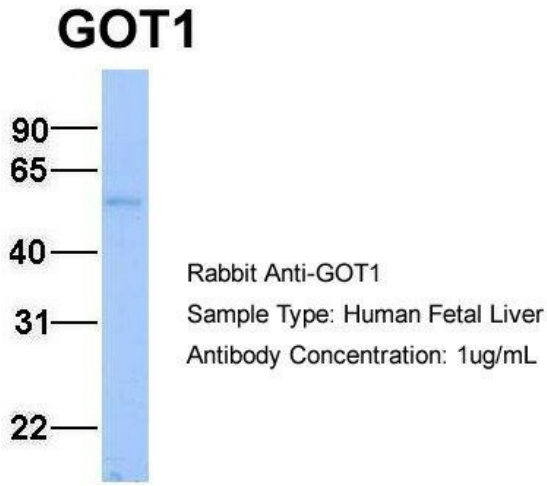
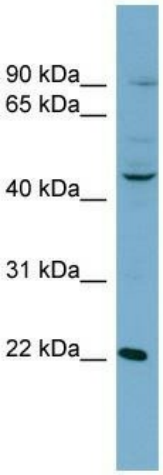
Note: Immunogen Sequence Homology: Pig: 100%; Rat: 100%; Goat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Guinea pig: 100%; Yeast: 92%; Zebrafish: 85%

Protein Pathways: Alanine, aspartate and glutamate metabolism, Arginine and proline metabolism, Cysteine and methionine metabolism, Metabolic pathways, Phenylalanine, tyrosine and tryptophan biosynthesis, Phenylalanine metabolism, Tyrosine metabolism

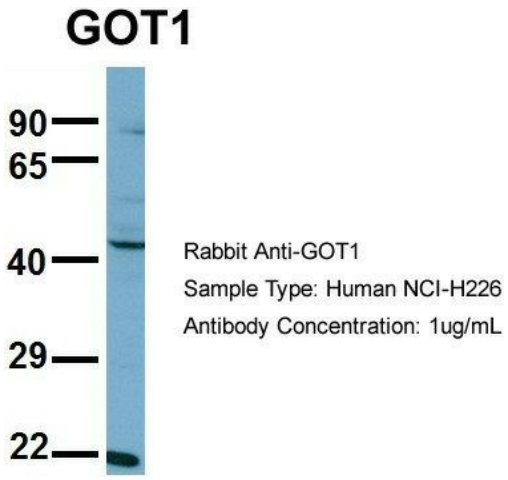
Product images:



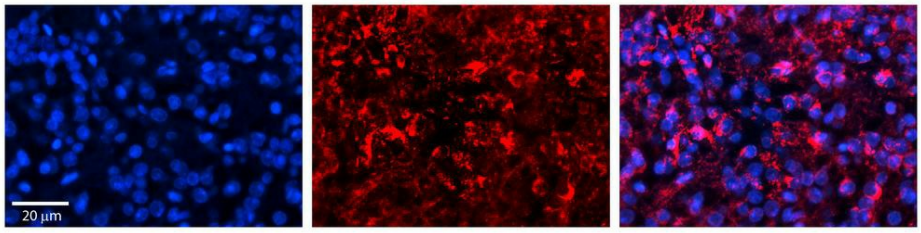
Host: Rabbit; Target Name: GOT1; Sample Tissue: Human Fetal Liver; Antibody Dilution: 1.0 ug/ml



WB Suggested Anti-GOT1 Antibody; Titration: 1 ug/ml; Positive Control: NCI-H226 Whole Cell.GOT1 is supported by BioGPS gene expression data to be expressed in NCIH226



Host: Rabbit; Target Name: GOT1; Sample Tissue: NCI-H226; Antibody Dilution: 1.0 ug/ml.GOT1 is supported by BioGPS gene expression data to be expressed in NCIH226



Rabbit Anti-GOT1 Antibody; Formalin Fixed Paraffin Embedded Tissue: Human Pineal Tissue; Observed Staining: Cytoplasmic in cell bodies and processes of pinealocytes; Primary Antibody Concentration: 1: 100; Secondary Antibody: Donkey anti-Rabbit-Cy3; Secondary Antibody Concentration: 1: 200; Magnification: 20X; Exposure Time: 0.5–2.0 sec;