

Goat Aspartate Aminotransferase Polyclonal Antibody | anti-GOT1 antibody

Goat Polyclonal to Human Aspartate Aminotransferase

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50876	Goat	Gibbon, Chimpanzee, Gorilla, Hamster, Human, Orangutan, Rat Predicted Reactivity: Monkey, Goat, Pig (at least 90% immunogen sequence identity)	ELISA, Western Blot, Immunohistochemistry

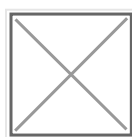
PRODUCT SYNONYMS

Aspartate Aminotransferase; Polyclonal Antibody; Goat Polyclonal to Human Aspartate Aminotransferase; Anti-Aspartate Aminotransferase Antibody (aa157-167) IHC-plus; GOT1; ASTQT1; Growth-inhibiting protein 18; Transaminase A; GIG18; Human Aspartate Aminotransferase; anti-GOT1 antibody

PRODUCT SPECIFICATIONS

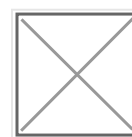
Host	Goat
Reactivity	Gibbon, Chimpanzee, Gorilla, Hamster, Human, Orangutan, Rat Predicted Reactivity: Monkey, Goat, Pig (at least 90% immunogen sequence identity)
Clonality	Polyclonal
Specificity	Human GOT1.
Purity/Purification	Immunoaffinity Purified
Form/Format	Tris-buffered saline, pH 7.3, 0.5% BSA, 0.02% sodium azide
Concentration	0.5 mg/ml (varies by lot)
Sequence Length	413
Applicable Applications for anti-GOT1 antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic peptide C-RSRYWDAEKR from an internal region of human GOT1 (NP_002070.1). Percent identity by BLAST analysis: Human, Chimpanzee, Gorilla, Orangutan, Gibbon, Monkey, Rat, Hamster, Elephant (100%); Marmoset, Goat, Pig, Lizard (91%).
Immunogen Type	Synthetic peptide
Immunogen	Aspartate Aminotransferase antibody was raised against synthetic peptide C-RSRYWDAEKR from an internal region of human GOT1 (NP_002070.1). Percent identity by BLAST analysis: Human, Chimpanzee, Gorilla, Orangutan, Gibbon, Monkey, Rat, Hamster, Elephant (100%); Marmoset, Goat, Pig, Lizard (91%); Mouse, Panda, Bat, Bovine, Horse, Opossum, Turkey, Chicken, Platypus, Xenopus, Salmon, Pufferfish, Seq squirt (82%).
Antigen Modification	aa157-167
Preparation and Storage	Store at -20 degree C. Minimize freezing and thawing.

IMAGES



WB (Western Blot)

Antibody (0.01 ug/ml) staining of Human Liver lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



IHC (Immunohistochemistry)

Anti-GOT1 antibody IHC of human heart. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.



IHC (Immunohistochemistry)

Anti-GOT1 antibody IHC of human kidney. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-GOT1 antibody	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.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504067
NCBI GeneID	2805
NCBI Accession #	NP_002070.1
NCBI GenBank Nucleotide #	NM_002079.2
UniProt Accession #	P17174; Q5VW80; B2R6R7; B7Z7E9
Molecular Weight	44,147 Da
NCBI Official Full Name	aspartate aminotransferase, cytoplasmic
NCBI Official Synonym Full Names	glutamic-oxaloacetic transaminase 1, soluble
NCBI Official Symbol	GOT1
NCBI Official Synonym Symbols	cCAT; GIG18; cAspAT; ASTQTL1
NCBI Protein Information	aspartate aminotransferase, cytoplasmic; transaminase A; aspartate transaminase 1; aspartate aminotransferase 1; growth-inhibiting protein 18; cysteine transaminase, cytoplasmic; glutamate oxaloacetate transaminase 1; cysteine aminotransferase, cytoplasmic
UniProt Protein Name	Aspartate aminotransferase, cytoplasmic
UniProt Gene Name	GOT1
UniProt Synonym Gene Names	cAspAT; cCAT
UniProt Entry Name	AATC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/aspartate-aminotransferase-antibody-western-blot-immunohistochemistry-elisa/50876>