

Rabbit Alanine aminotransferase 1 Polyclonal Antibody | anti-GPT antibody

Rabbit anti-human Alanine aminotransferase 1 polyclonal Antibody

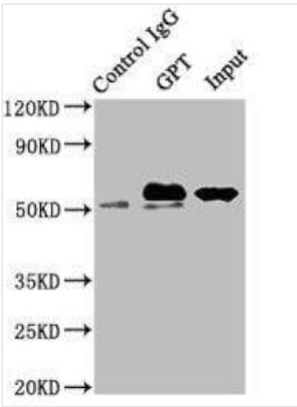
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA26912	Rabbit	Human, Mouse, Rat	ELISA, Western Blot, Immunohistochemistry, Immunofluorescence, Immunoprecipitation

PRODUCT SYNONYMS

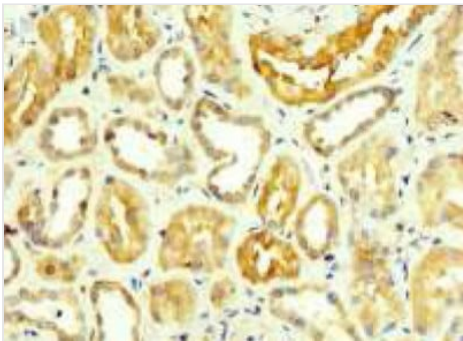
Alanine aminotransferase 1; Polyclonal Antibody; Rabbit anti-human Alanine aminotransferase 1 polyclonal Antibody; Alanine aminotransferase 1 (ALT1) (EC 2.6.1.2) (Glutamate pyruvate transaminase 1) (GPT 1) (Glutamic--alanine transaminase 1) (Glutamic--pyruvic transaminase 1); GPT; AAT1 GPT1; anti-GPT antibody

PRODUCT SPECIFICATIONS

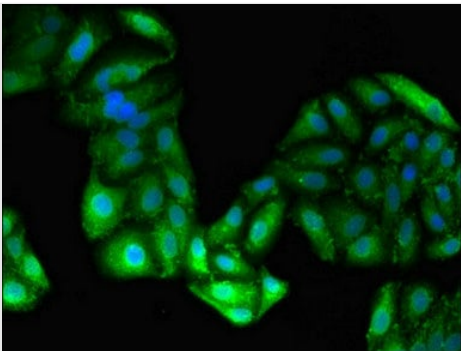
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	496
Applicable Applications for anti-GPT antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), IP (Immunoprecipitation)
Application Notes	Recommended dilution: WB:1:500-1:5000 IHC:1:200-1:500 IF: 1:50-1:200 IP:1:200-1:2000
Immunogen	Recombinant human Alanine aminotransferase 1 protein(2-496aa)
Immunogen Species	Homo sapiens (Human)
Research Area	Signal Transduction
Target Names	GPT
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300; Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-47020 / sc-47022
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C.



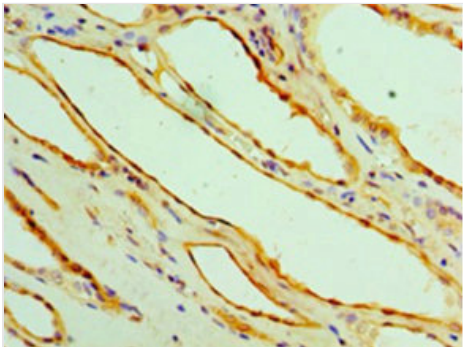
IP (Immunoprecipitation)
Immunoprecipitating GPT in Mouse liver tissueLane 1: Rabbit control IgG instead of AAA26912 U in Mouse liver tissue. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000) Lane 2: AAA26912 (8?g) + Mouse liver tissue (500?g)Lane 3: Mouse liver tissue (10?g)



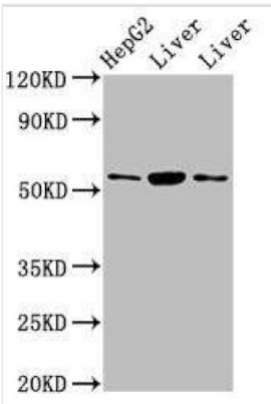
IHC (Immunohistochemistry)
IHC image of AAA26912 diluted at 1:350 and staining in paraffin-embedded human kidney tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



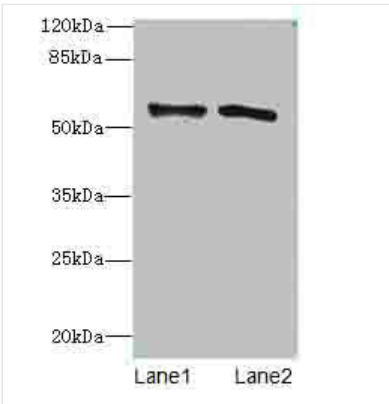
IHC (Immunohistochemistry)
Immunofluorescent analysis of HepG2 cells using AAA26912 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human kidney tissue using AAA26912 at dilution 1:100



WB (Western Blot)
Positive WB detected in: HepG2 whole cell lysate, Rat liver tissue, Mouse liver tissue All lanes: GPT antibody at 4.5?g/ml Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 55 kDa Observed band size: 55 kDa



WB (Western Blot)
Western blotAll lanes: Alanine aminotransferase 1 antibody at 20ug/mlLane 1: Rat heart tissueLane 2: Rat liver tissueSecondaryGoat polyclonal to Rabbit IgG at 1/10000 dilutionPredicted band size: 55 kDaObserved band size: 55 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-GPT antibody	This protein is an anticoagulant protein that acts as an indirect inhibitor of the thromboplastin-specific complex, which is involved in the blood coagulation cascade.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4885351
NCBI GeneID	2875
NCBI Accession #	NP_005300.1
NCBI GenBank Nucleotide #	NM_005309.2
UniProt Accession #	P24298; P78398; Q93076; B0YJ18; D3DWM7
NCBI Official Full Name	alanine aminotransferase 1
NCBI Official Synonym Full Names	glutamic-pyruvate transaminase (alanine aminotransferase)
NCBI Official Symbol	GPT
NCBI Official Synonym Symbols	AAT1; ALT1; GPT1
NCBI Protein Information	alanine aminotransferase 1
UniProt Protein Name	Alanine aminotransferase 1
UniProt Gene Name	GPT
UniProt Synonym Gene Names	AAT1; GPT1; ALT1; GPT 1
UniProt Entry Name	ALAT1_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/alanine-aminotransferase-1-antibody-western-blot-immunohistochemistry-immunofluorescence-immunoprecipitation-elisa/26912>