Rabbit anti-Rat GPT2 Polyclonal Antibody | anti-Gpt2 antibody

Anti-GPT2 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA257282	**Rabbit**	**Rat**	**Immunohistochemistry, ELISA**

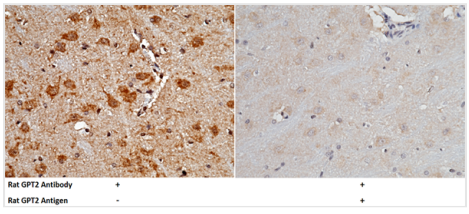
PRODUCT SYNONYMS

GPT2; Polyclonal Antibody; Anti-GPT2 Antibody; Rabbit Polyclonal; GPT2 Antibody; Rabbit PAb; Antigen Affinity Purified; glutamic pyruvate transaminase (alanine aminotransferase) 2; anti-Gpt2 antibody

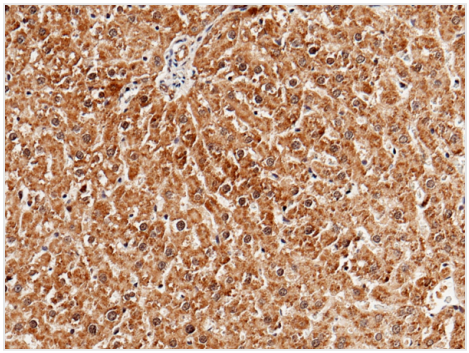
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Rat GPT2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-Gpt2 antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Rat GPT2 protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Rat GPT2 (rR GPT2). GPT2 specific IgG was purified by Rat GPT2 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Immunochemical staining of rat GPT2 in rat brain with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections). The left panel: tissue incubated with primary antibody; The right panel: tissue incubated with the mixture of primary antibody and antigen (recombinant protein).



IHC (Immunohistochemistry)
Immunochemical staining of rat GPT2 in rat liver with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-Gpt2 antibody	Alanine aminotransferase (ALT), also known as glutamate pyruvate transaminase (Gpt), is a pyridoxal enzyme that catalyzes the reversible interconversion of L-alanine and 2-oxoglutalate to pyruvate and L-glutamate and plays a key role in the intermediary metabolism of glucose and amino acids. As a key enzyme for gluconeogenesis, Gpt is a widely-used serum marker for liver injury. Two ALT isoenzymes have been identified, ALT1 and ALT2 (GPT1 and GPT2), which are encoded by separate genes and share significant sequence homology, but differ in their expression patterns. Gpt1 is widely distributed and mainly expressed in the intestine, liver, fat tissues, colon, muscle, and heart, in the order of high to low expression level, whereas Gpt2 expression is more restricted, mainly in the liver, muscle, brain, and white adipose tissue. It has been reported that hepatic ALT2 protein is approximately four times higher in male rats than in female rats.
References	Matthews, C.C. et al., 2002, Genomics. 79: 445-450. Jadhao, S.B. et al., 2004, Hepatology. 39: 1297-1302. Schindhelm, R.K. et al., 2005, Eur. J.Clin. Invest. 35:369-374. Lindblom, P. et al., 2007, Arch Biochem Biophys. 466 (1): 66-77. Liu, L.et al., 2008, Protein Expr Purif. 60 (2): 225-231. Yang, R. Z. et al., 2009, Hepatology. 49 (2): 598-607.

NCBI AND UNIPROT INFORMATION

NCBI GI #	59939914
NCBI GeneID	307759
NCBI Accession #	NP_001012057.1
NCBI GenBank Nucleotide #	NM_001012057.2
NCBI Official Full Name	alanine aminotransferase 2
NCBI Official Synonym Full Names	glutamic--pyruvic transaminase 2
NCBI Official Symbol	Gpt2
NCBI Official Synonym Symbols	ALT2; Cc2-5
NCBI Protein Information	alanine aminotransferase 2

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://www.aaabiotech.com/polyclonal/gpt2-antibody-immunohistochemistry-elisa/257282