

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

Anti-GPT2 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256234	Rabbit	Human	Immunoprecipitation, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

GPT2; Polyclonal Antibody; Anti-GPT2 Antibody; Rabbit Polyclonal; GPT2 Antibody; Rabbit PAb; Antigen Affinity Purified; glutamic pyruvate transaminase (alanine aminotransferase) 2; Anti-ALT2 Antibody; Anti-MRT49 Antibody; anti-Gpt2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human GPT2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-Gpt2 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived Human GPT2 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human GPT2 fragment, and purified by antigen 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. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

GPT2 was immunoprecipitated using: Lane A: 0.5 mg U251MG Whole Cell Lysate 4 uL anti-GPT2 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-GPT2 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Clean-Blot IP Detection Reagent (HRP) at 1:1000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 58 kDa. Observed band size: 55 kDa.



IHC (Immunohistochemistry)

Immunochemical staining of human GPT2 in human stomach with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human GPT2 in human kidney with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-GPT2 rabbit polyclonal antibody at 1:500 dilution Lane A: HepG2 Whole Cell Lysate Lane B: U251MG Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 58 kDa

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-oxoglutarate 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.

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/gpt2-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/256234>