

Rabbit anti-Human GNPAT1 Polyclonal Antibody | anti-GNPAT1 antibody

Anti-GNPAT1 Antibody, Rabbit Polyclonal

CATALOG # AAA259069	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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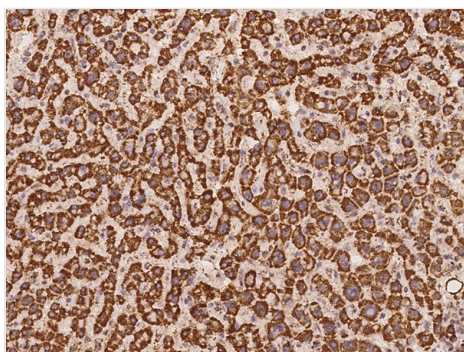
PRODUCT SYNONYMS

GNPAT1; Polyclonal Antibody; Anti-GNPAT1 Antibody; Rabbit Polyclonal; glucosamine-phosphate N-acetyltransferase 1; Anti-GNPAT Antibody; Anti-Gpnat1 Antibody; anti-GNPAT1 antibody

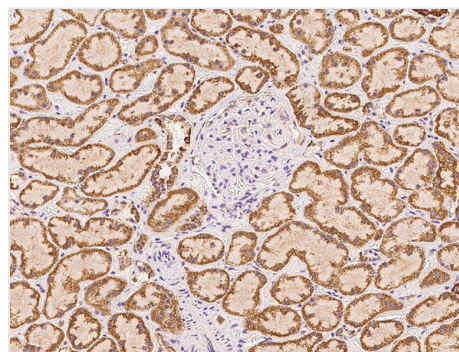
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human GNPAT1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-GNPAT1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E coli-derived Human GNPAT1 fragment
Preparation	Produced in rabbits immunized with E coli-derived Human GNPAT1 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.

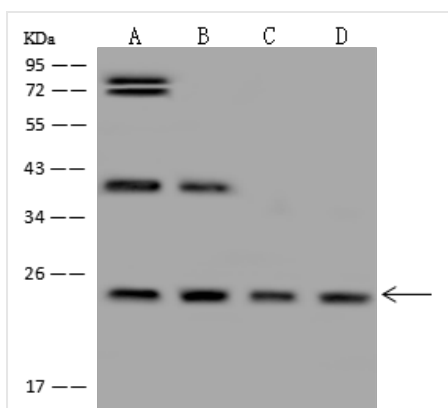
IMAGES


IHC (Immunohistochemistry)

Immunochemical staining of human GNPAT1 in human liver with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.


IHC (Immunohistochemistry)

Immunochemical staining of human GNPAT1 in human kidney with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-GNPAT1 rabbit polyclonal antibody at 1:500 dilution
 Lane A: MCF7 Whole Cell Lysate
 Lane B: HeLa Whole Cell Lysate
 Lane C: Mouse liver tissue lysate
 Lane D: Mouse kidney tissue
 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: 21 kDa
 Observed band size: 24 kDa
 (We are unsure as to the identity of these extra bands.)

ADDITIONAL INFORMATION

Related Product Information for anti-GNPAT1 antibody

GNPNAT1 (Glucosamine-Phosphate N-Acetyltransferase 1) is a Protein Coding gene. The GNPAT1 gene, located on 14q22.1, is conserved in chimpanzee, Rhesus monkey, dog, cow, mouse, and rat, etc. GNPAT1 is a member of the GNA1 subfamily of the larger acetyltransferase family of proteins. Glucosamine 6-phosphate N-acetyltransferase, encoded by the highly conserved gene GNPAT1, is one of the enzymes required for the synthesis of uridine diphosphate N-acetylglucosamine, which participates in protein glycosylation. GNPAT1 is widely expressed in the liver, colon, and other tissues. Diseases associated with GNPAT1 include Griscelli Syndrome, Type 3. Among its related pathways are Transport to the Golgi and subsequent modification and Metabolism of proteins.

References

Wang J, et al. (2008) Acceptor substrate binding revealed by crystal structure of human glucosamine-6-phosphate n-acetyltransferase 1. *FEBS Lett* 582 (20): 2973-2978.
 Brockhausen I, et al. (2016) Human acetyl-coa:Glucosamine-6-phosphate n-acetyltransferase 1 has a relaxed donor specificity and transfers acyl groups up to four carbons in length. *Biochem Cell Biol* 94 (2): 197-204.
 Ain NU, et al. (2020) Novel form of rhizomelic skeletal dysplasia associated with a homozygous variant in gnpnat1. *J Med Genet*

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://www.aaabiotech.com/polyclonal/gnpnat1-antibody-immunohistochemistry-western-blot-elisa/259069>