

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

GNPAT Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324665	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

GNPAT; Polyclonal Antibody; GNPAT Antibody; Acyl CoA dihydroxyacetonephosphateacyltransferase; Acyl-CoA:dihydroxyacetonephosphateacyltransferase; DAP AT; DAP-AT; DAPAT; DHAP AT; DHAP-AT; DHAPAT; Dihydroxyacetone phosphate acyltransferase; EC 2.3.1.42; Glycerone-phosphate O-acyltransferase; Glyceronephosphate O acyltransferase; GNPAT_HUMAN; OTTHUMP00000036147; anti-GNPAT antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	GNPAT antibody detects endogenous levels of total GNPAT
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	619
Applicable Applications for anti-GNPAT antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Peroxisome Membrane. Exclusively localized to the luminal side of the peroxisomal membrane.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (100%), Bovine (91%), Horse (100%), Sheep (91%), Rabbit (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from HT-29 cells using GNPAT antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA324665 staining HT29 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-GNPAT antibody	Function: Acyl-CoA + glycerone phosphate = CoA + acylglycerone phosphate. Subunit Structure: May be part of a heterotrimeric complex composed of DAP-AT, ADAP-S and a modified form of DAP-AT. Similarity: The HXXXXD motif is essential for acyltransferase activity and may constitute the binding site for the phosphate moiety of the glycerol-3-phosphate. Belongs to the GPAT/DAPAT family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	939106619
NCBI GeneID	8443
NCBI Accession #	NP_001303279.1
NCBI GenBank Nucleotide #	NM_001316350.1
UniProt Accession #	O15228; Q5TBH7; Q9BWC2; B4DNM9
Molecular Weight	Observed: 77 kD Predicted: 78 kDa
NCBI Official Full Name	dihydroxyacetone phosphate acyltransferase isoform 2
NCBI Official Synonym Full Names	glyceronephosphate O-acyltransferase
NCBI Official Symbol	GNPAT
NCBI Official Synonym Symbols	DAPAT; RCDP2; DAP-AT; DHAPAT
NCBI Protein Information	dihydroxyacetone phosphate acyltransferase
UniProt Protein Name	Dihydroxyacetone phosphate acyltransferase
UniProt Gene Name	GNPAT
UniProt Synonym Gene Names	DAPAT; DHAPAT; DAP-AT; DHAP-AT

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/gnpat-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324665>