Product name:	GNPAT Rabbit Polyclonal Antibody
Cat number:	ABN11564
Conjugate:	Unconjugated
Size:	100µL
Clone:	Polyclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	The antiserum was produced against synthesized peptide derived from human GNPAT. AA range:231-280
Reactivity:	Human,Rat,Mouse
Applications:	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
Molecular Weight:	77kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.
Background:	This gene encodes an enzyme located in the peroxisomal membrane which is essential to the synthesis of ether phospholipids. Mutations in this gene are associated with rhizomelic chondrodysplasia punctata. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2015],catalytic activity:Acyl-CoA + glycerone phosphate = CoA + acylglycerone phosphate.,disease:Defects in GNPAT are the cause of rhizomelic chondrodysplasia punctata type 2 (RCDP2) [MIM:222765]. RDCP2 is characterized by rhizomelic shortening of femur and humerus, vertebral disorders, cataract, cutaneous lesions and severe mental retardation.,domain:The HXXXXD motif is essential for acyltransferase activity and may constitute the binding site for the phosphate moiety of the glycerol-3-phosphate.,pathway:Membrane lipid metabolism; glycerophospholipid metabolism.,similarity:Belongs to the GPAT/DAPAT family.,subcellular location:Exclusively localized to the lumenal side of the peroxisomal membrane.,subunit:May be part of an heterotrimeric complex composed of DAP-AT, ADAP-S and a modified form of DAP-AT.,