

Summary

Production Name	GNPAT Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ELISA
Reactivity	Human,Rat,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	GNPAT
Alternative Names	GNPAT; DAPAT; DHAPAT; Dihydroxyacetone phosphate acyltransferase; DAP-AT; DHAP-AT; Acyl-CoA:dihydroxyacetonephosphateacyltransferase; Glycerone-phosphate O-acyltransferase
Gene ID	8443.0
SwissProt ID	O15228.The antiserum was produced against synthesized peptide derived from human GNPAT. AA range:231-280

Application

Dilution Ratio	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:20000..
Molecular Weight	77kD

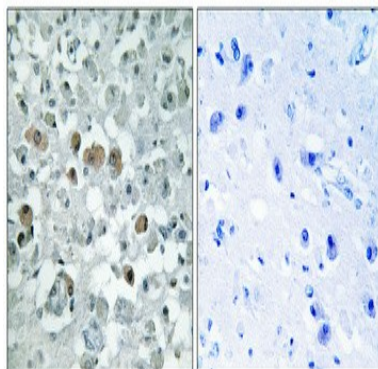
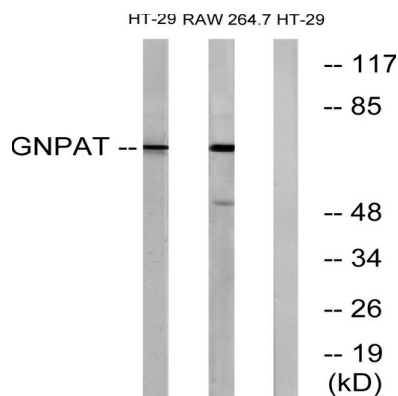
Background

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]. RCDP2 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 luminal 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.,

Research Area

Glycerophospholipid metabolism;

Image Data



Product Name: GNPAT Rabbit Polyclonal Antibody
Catalog #: APRab11564



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100 (4°,overnight) . High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.

Note

For research use only.