



# GNPAT rabbit pAb

Cat No.:ES7758

For research use only

## Overview

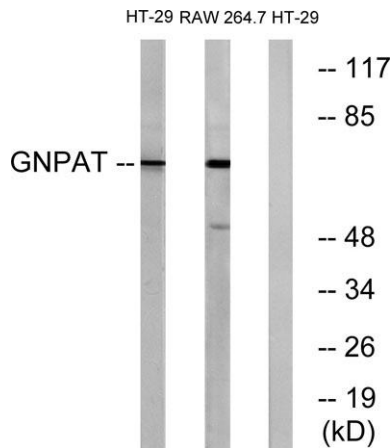
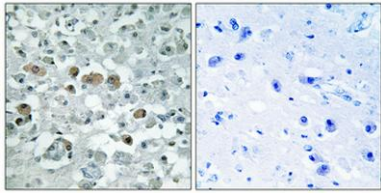
<b>Product Name</b>	GNPAT rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Rat;Mouse;
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human GNPAT. AA range:231-280
<b>Specificity</b>	GNPAT Polyclonal Antibody detects endogenous levels of GNPAT protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Dihydroxyacetone phosphate acyltransferase
<b>Gene Name</b>	GNPAT
<b>Cellular localization</b>	Peroxisome membrane ; Peripheral membrane protein ; Matrix side . Exclusively localized to the luminal side of the peroxisomal membrane. .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	77kD
<b>Human Gene ID</b>	8443
<b>Human Swiss-Prot Number</b>	O15228
<b>Alternative Names</b>	GNPAT; DAPAT; DHAPAT; Dihydroxyacetone phosphate acyltransferase; DAP-AT; DHAP-AT; Acyl-CoA:dihydroxyacetonephosphateacyltransferase; Glycerone-phosphate O-acyltransferase
<b>Background</b>	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],

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) obtained from antibody was pre-absorbed by i



Western blot analysis of lysates from HT-29 and RAW264.7 cells, using GNPAT Antibody. The lane on the right is blocked with the synthesized peptide.

