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Datasheet for ABIN1705150  
**anti-GNPAT1 antibody (AA 101-184) (Cy5)**

### Overview

Quantity:	100 µL
Target:	GNPNAT1
Binding Specificity:	AA 101-184
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GNPAT1 antibody is conjugated to Cy5
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human GNPAT1/GNA1
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Cow,Pig,Rabbit
Purification:	Purified by Protein A.

### Target Details

Target:	GNPNAT1
Alternative Name:	GNA1 ( <a href="#">GNPNAT1 Products</a> )
Background:	Synonyms: AU017428, AU040593, EMeg32, FLJ10607, Glucosamine 6 phosphate

## Target Details

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acetyltransferase, Glucosamine 6 phosphate N acetyltransferase, Glucosamine 6-phosphate N-acetyltransferase, Glucosamine phosphate N acetyltransferase 1, GNA1, GNA1\_HUMAN, GNPAT, GNPAT1, Gpnat1, Gsnpat, Phosphoglucosamine acetylase, Phosphoglucosamine transacetylase, RGD1563144.

Background: Glucosamine 6-phosphate N-acetyltransferase (GNA1), also designated phosphoglucosamine transacetylase or phosphoglucosamine acetylase, belongs to the GNA1 subfamily of the larger acetyltransferase family of proteins. GNA1, a peripheral membrane protein containing one N-acetyltransferase domain, is expressed in the colon and maps to cytoband 14q22.1. The protein localizes to the Golgi apparatus and the endosome. It is important for UDP-GlcNAc biosynthesis pathway. GNA1 catalyzes the synthesis of GlcNAc6P from AcCoA and GlcN6P, a step in the UDP-GlcNAc6P formation pathway.

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Gene ID: 64841

UniProt: [Q96EK6](#)

## Application Details

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Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Concentration: 1 µg/µL

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Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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Preservative: ProClin

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Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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Storage: -20 °C

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Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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Expiry Date: 12 months