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Datasheet for ABIN5003737

anti-GNPAT1 antibody (AA 101-184) (Alexa Fluor 680)

Overview

Quantity:	100 µL
Target:	GNPNAT1
Binding Specificity:	AA 101-184
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GNPAT1 antibody is conjugated to Alexa Fluor 680
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 (GNPNAT1 Products)
Background:	Synonyms: AU017428, AU040593, EMeg32, FLJ10607, Glucosamine 6 phosphate

Target Details

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.

Gene ID: 64841

UniProt: [Q96EK6](#)

Application Details

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

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

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

Preservative: ProClin

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

Storage: -20 °C

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

Expiry Date: 12 months