

Datasheet for ABIN1699131

## anti-FPGT antibody (AA 251-350) (AbBy Fluor® 647)



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### Overview

Quantity:	100 µL
Target:	FPGT
Binding Specificity:	AA 251-350
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FPGT antibody is conjugated to AbBy Fluor® 647
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 FPGT
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Dog
Purification:	Purified by Protein A.

### Target Details

Target:	FPGT
Alternative Name:	FPGT ( <a href="#">FPGT Products</a> )
Background:	Synonyms: FPGT, FPGT_HUMAN, Fucose 1 phosphate guanyltransferase, Fucose 1 phosphate

## Target Details

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guanylyltransferase, Fucose-1-phosphate guanylyltransferase, GDP beta L fucose pyrophosphorylase, GDP L fucose diphosphorylase, GDP L fucose pyrophosphorylase, GDP-L-fucose diphosphorylase, GDP-L-fucose pyrophosphorylase, GFPP.

Background: Guanylyltransferase enzymes transfer one molecule of GTP to another molecule and also function in the transfer of guanosine nucleotides to sugar molecules. The carbohydrate moieties that are generated are covalently attached to cell surfaces and are necessary to ensure a surface contour that satisfies a variety of physiological roles. L-fucose is an important sugar in complex carbohydrates that is frequently found on plant and mammalian N-linked glycans. FPGT (Fucose-1-phosphate guanylyltransferase), also known as GFPP (GDP-L-fucose pyrophosphorylase), is a 594 amino acid cytoplasmic protein that catalyzes the formation of GDP-L-fucose from L-fucose-1-phosphate and GTP. FPGT functions to reutilize the L-fucose that is produced upon glycoprotein and glycolipid turnover.

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Gene ID: 8790

## 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