Datasheet for ABIN2855758

anti-FPGT antibody

2 Images

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Overview

Quantity:	100 µL
Target:	FPGT
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FPGT antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human FPGT. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Rabbit polyclonal antibody to FPGT (fucose-1-phosphate guanylyltransferase) FPGT antibody [N2C2], Internal
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	FPGT
Alternative Name:	fucose-1-phosphate guanylyltransferase (FPGT Products)

Target Details

Background:	L-fucose is a key sugar in glycoproteins and other complex carbohydrates since it may be involved in many of the functional roles of these macromolecules, such as in cell-cell recognition. The fucosyl donor for these fucosylated oligosaccharides is GDP-beta-L-fucose. There are two alternate pathways for the biosynthesis of GDP-fucose, the major pathway converts GDP-alpha-D-mannose to GDP-beta-L-fucose. The protein encoded by this gene participates in an alternate pathway that is present in certain mammalian tissues, such as liver and kidney, and appears to function as a salvage pathway to reutilize L-fucose arising from the turnover of glycoproteins and glycolipids. This pathway involves the phosphorylation of L-fucose to form beta-L-fucose-1-phosphate, and then condensation of the beta-L-fucose-1-phosphate with GTP by fucose-1-phosphate guanylyltransferase to form GDP-beta-L-fucose. Cellular Localization: Cytoplasm
Molecular Weight:	67 kDa
Gene ID:	8790
UniProt:	O14772

Application Details

Application Notes:	WB: 1:500-1:3000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: Raji
Restrictions:	For Research Use only

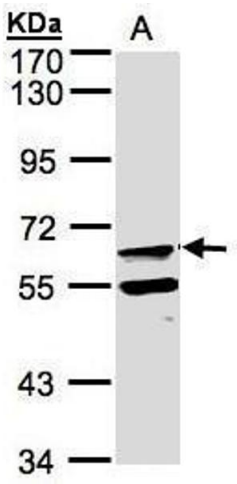
Handling

Format:	Liquid
Concentration:	0.74 mg/mL
Buffer:	0.1M Tris-Glycine (pH 7), 10 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage

Handling

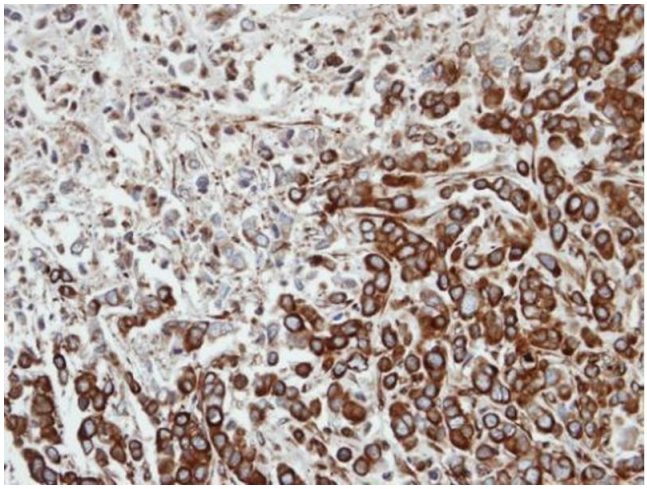
(1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Image Sample(30 µg of whole cell lysate) A:Raji, 7.5% SDS PAGE antibody diluted at 1:500



Immunohistochemistry

Image 2. IHC-P Image Immunohistochemical analysis of paraffin-embedded MDA-MB-468 xenograft, using FPGT, antibody at 1:100 dilution.