Datasheet for ABIN2789255

anti-FPGT antibody (C-Term)

1 Image

Go to Product page

Overview

Quantity:	100 µL
Target:	FPGT
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Guinea Pig, Cow, Dog, Pig, Rat, Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FPGT antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Sequence:	SLKMNRCLKY ATMAFGVQDN LKKSVKTLSD IKLLQFFGVC FLSCLDVWNL
Predicted Reactivity:	Cow: 93%, Dog: 93%, Guinea Pig: 77%, Human: 100%, Mouse: 85%, Pig: 93%, Rat: 92%, Yeast: 91%
Characteristics:	This is a rabbit polyclonal antibody against FPGT. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	FPGT
Alternative Name:	FPGT (FPGT Products)
Background:	L-fucose is a key sugar in glycoproteins and other complex carbohydrates since it may be

Target Details

	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. Alternative splicing results in multiple transcript variants. Read-through transcription also exists between this gene and the neighboring downstream TNNI3 interacting kinase (TNNI3K) gene. Alias Symbols: GFPP Protein Interaction Partner: NLN, Protein Size: 340
Molecular Weight:	37 kDa
Gene ID:	8790
NCBI Accession:	NM_001199328, NP_001186257
UniProt:	E9PNQ2

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 340 AA
Restrictions:	For Research Use only

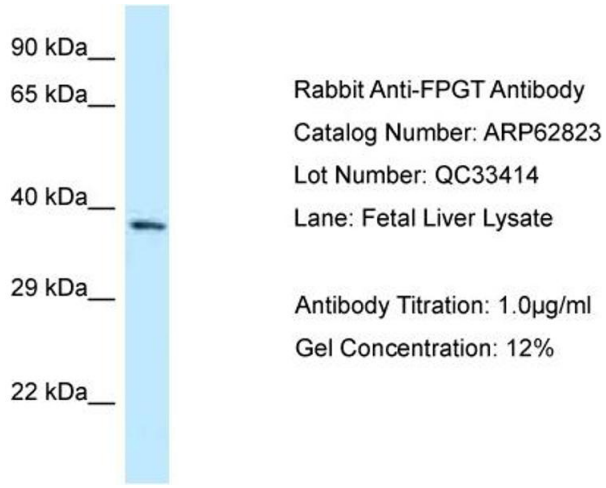
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

	should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1.