

Datasheet for ABIN2789256
anti-FPGT antibody (C-Term)



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1 Image

Overview

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

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C-terminal region of Human FPGT
Sequence:	TSLNVVVLNN SKFYHIGTTE EYLFYFTSDN SLKSELGLQS ITFSIFPDIP
Predicted Reactivity:	Cow: 86%, Dog: 86%, Guinea Pig: 86%, Human: 100%, Mouse: 79%, Pig: 100%, Rat: 79%
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: 594

Molecular Weight:	66 kDa
Gene ID:	8790
NCBI Accession:	NM_003838 , NP_003829
UniProt:	O14772

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 594 AA
Restrictions:	For Research Use only

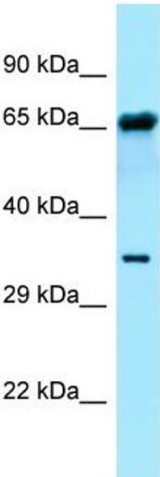
Handling

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. WB Suggested Anti-FPGT Antibody Titration: 1.0 ug/ml Positive Control: ACHN Whole Cell