Datasheet for ABIN2789256

# anti-FPGT antibody (C-Term)

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## 1 Image

## Overview

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| 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

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| 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

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| 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

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| | 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.<br>Alias Symbols: GFPP<br>Protein Interaction Partner: NLN,<br>Protein Size: 594 |
| Molecular Weight: | 66 kDa |
| Gene ID: | 8790 |
| NCBI Accession: | NM_003838, NP_003829 |
| UniProt: | O14772 |

## Application Details

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

## Handling

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| 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

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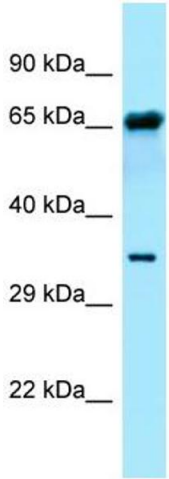
| | should be handled by trained staff only. |
| Handling Advice: | Avoid repeated freeze-thaw cycles. |
| Storage: | -20 °C |
| Storage Comment: | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |

## Images




**Western Blotting**

**Image 1.** WB Suggested Anti-FPGT Antibody Titration: 1.0 ug/ml Positive Control: ACHN Whole Cell