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# RFNG Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16514b

## Product Information

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| **Application** | WB, E |
| **Primary Accession** | Q9Y644 |
| **Other Accession** | NP_002908.1 |
| **Reactivity** | Human |
| **Predicted** | Bovine, Canine, Chicken |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB35996 |
| **Calculated MW** | 36424 |
| **Antigen Region** | 282-310 |

## Additional Information

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| **Gene ID** | 5986 |
| **Other Names** | Beta-1, 3-N-acetylglucosaminyltransferase radical fringe, O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase, RFNG |
| **Target/Specificity** | This RFNG antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 282-310 amino acids from the C-terminal region of human RFNG. |
| **Dilution** | WB~~1:1000 E~~Use at an assay dependent concentration. |
| **Format** | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| **Storage** | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| **Precautions** | RFNG Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **Name** | RFNG ( HGNC:9974) |
| **Function** | Glycosyltransferase that initiates the elongation of O-linked fucose residues attached to EGF-like repeats in the extracellular domain of Notch molecules. |

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| | Modulates NOTCH1 activity by modifying O- fucose residues at specific EGF-like domains resulting in enhancement of NOTCH1 activation by DLL1 and JAG1. May be involved in limb formation and in neurogenesis. |
| **Cellular Location** | Golgi apparatus membrane; Single- pass type II membrane protein |

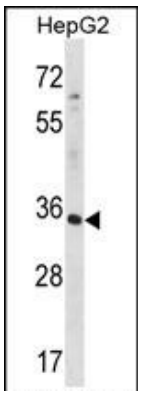
## Background

Glycosyltransferase that initiates the elongation of O-linked fucose residues attached to EGF-like repeats in the extracellular domain of Notch molecules. May be involved in limb formation and in neurogenesis (By similarity).

## References

Mikami, T., et al. Brain Res. Mol. Brain Res. 86 (1-2), 138-144 (2001) :
Moran, J.L., et al. Mamm. Genome 10(6):535-541(1999)
Johnston, S.H., et al. Development 124(11):2245-2254(1997)

## Images




RFNG Antibody (C-term) (Cat. #AP16514b) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the RFNG antibody detected the RFNG protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.