

## Rabbit MFNG Polyclonal Antibody | anti-MFNG antibody

MFNG Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                                 |
|-----------|--------|-------------------|--------------------------------------------------------------|
| AAA324511 | Rabbit | Human, Mouse, Rat | ELISA, Immunocytochemistry, Immunofluorescence, Western Blot |

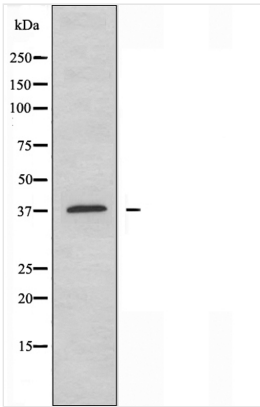
### PRODUCT SYNONYMS

MFNG; Polyclonal Antibody; MFNG Antibody; 3-N-acetylglucosaminyltransferase manic fringe; Beta-1; MFNG\_HUMAN; O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase; anti-MFNG antibody

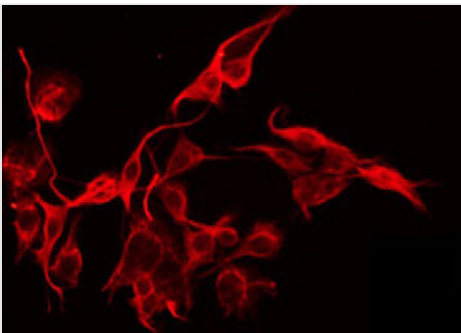
### PRODUCT SPECIFICATIONS

|                                                |                                                                                               |
|------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                        |
| Reactivity                                     | Human, Mouse, Rat                                                                             |
| Clonality                                      | Polyclonal                                                                                    |
| Isotype                                        | IgG                                                                                           |
| Specificity                                    | MFNG antibody detects endogenous levels of total MFNG                                         |
| Purity/Purification                            | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin. |
| Form/Format                                    | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Concentration                                  | 1mg/ml (varies by lot)                                                                        |
| Sequence Length                                | 307                                                                                           |
| Applicable Applications for anti-MFNG antibody | ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)                  |
| Immunogen                                      | A synthesized peptide                                                                         |
| Subcellular Location                           | Golgi Apparatus                                                                               |
| Conjugation                                    | Unconjugated                                                                                  |
| Preparation and Storage                        | Store at -20 degree C. Stable for 12 months from date of receipt.                             |

IMAGES



**WB (Western Blot)**  
Western blot analysis of extracts from HepG2 cells, using MFNG antibody.



**IF (Immunofluorescence)**  
AAA324511 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-MFNG antibody | Function: Glycosyltransferase that initiates the elongation of O-linked fucose residues attached to EGF-like repeats in the extracellular domain of Notch molecules (PubMed:10935626). Modulates NOTCH1 activity by modifying O-fucose residues at specific EGF-like domains resulting in inhibition of NOTCH1 activation by JAG1 and enhancement of NOTCH1 activation by DLL1 via an increase in its binding to DLL1 (By similarity). Similarity: Belongs to the glycosyltransferase 31 family. |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                 |
|----------------------------------|-----------------------------------------------------------------|
| NCBI GI #                        | 261824031                                                       |
| NCBI GeneID                      | 4242                                                            |
| NCBI Accession #                 | NP_001159815.1                                                  |
| NCBI GenBank Nucleotide #        | NM_001166343.1                                                  |
| UniProt Accession #              | O00587; O43730; Q504S9; B4DLT6                                  |
| Molecular Weight                 | Observed: 38 kD<br>Predicted: 37 kDa                            |
| NCBI Official Full Name          | beta-1,3-N-acetylglucosaminyltransferase manic fringe isoform 2 |
| NCBI Official Synonym Full Names | MFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase    |
| NCBI Official Symbol             | MFNG                                                            |
| NCBI Protein Information         | beta-1,3-N-acetylglucosaminyltransferase manic fringe           |
| UniProt Protein Name             | Beta-1,3-N-acetylglucosaminyltransferase manic fringe           |
| UniProt Gene Name                | MFNG                                                            |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.