



# Manic Fringe Monoclonal Antibody

<b>Catalog No</b>	BYmab-15948
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB
<b>Gene Name</b>	MFNG
<b>Protein Name</b>	Beta-1,3-N-acetylglucosaminyltransferase manic fringe
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human MFNG. AA range:61-110
<b>Specificity</b>	Manic Fringe Monoclonal Antibody detects endogenous levels of Manic Fringe protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	MFNG; Beta-1; 3-N-acetylglucosaminyltransferase manic fringe; O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase
<b>Observed Band</b>	38kD
<b>Cell Pathway</b>	Golgi apparatus membrane ; Single-pass type II membrane protein .
<b>Tissue Specificity</b>	Lymph,
<b>Function</b>	catalytic activity:Transfers a beta-D-GlcNAc residue from UDP-D-GlcNAc to the fucose residue of a fucosylated protein acceptor.,function:Glycosyltransferase involved in the elongation of O-linked ligands to activate Notch signaling. Possesses fucose-specific beta-1,3-N-acetylglucosaminyltransferase activity.,online information:Beta-1,3-N-acetylglucosaminyltransferase manic fringe,online information:GlycoGene database,similarity:Belongs to the glycosyltransferase 31 family.,
<b>Background</b>	This gene is a member of the fringe gene family which also includes radical and lunatic fringe genes. They all encode evolutionarily conserved secreted proteins

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that act in the Notch receptor pathway to demarcate boundaries during embryonic development. While their genomic structure is distinct from other glycosyltransferases, fringe proteins have a fucose-specific beta-1,3-N-acetylglucosaminyltransferase activity that leads to elongation of O-linked fucose residues on Notch, which alters Notch signaling. [provided by RefSeq, Oct 2009],

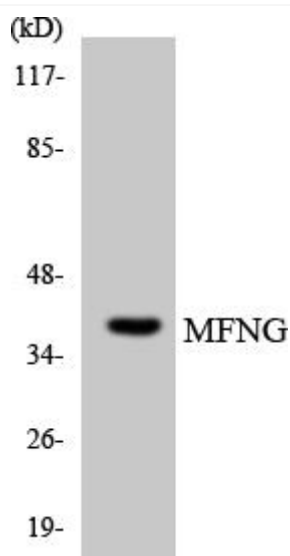
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western Blot analysis of various cells using Manic Fringe Monoclonal Antibody