



Manic Fringe Monoclonal Antibody

Catalog No	YP-mAb-15948
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	MFNG
Immunogen	The antiserum was produced against synthesized peptide derived from human MFNG. AA range:61-110
Specificity	Manic Fringe Monoclonal Antibody detects endogenous levels of Manic Fringe protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Manic Fringe;MFNG;Beta-1,3-N-acetylglucosaminyltransferase manic fringe;O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase
Observed Band	38kD
Calculated Molecular Weight	38kD
Cell Pathway	Golgi apparatus membrane ; Single-pass type II membrane protein .
Tissue Specificity	Lymph,
Function	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.,



Background

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 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],

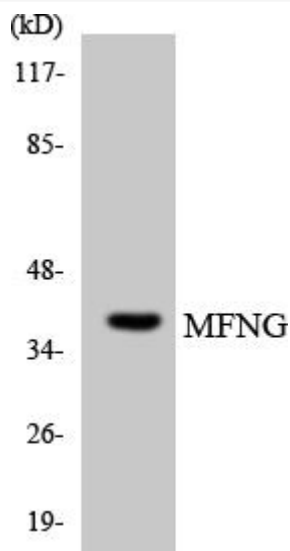
matters needing attention

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