

Manic Fringe Polyclonal Antibody

Catalog No: YT2634

Reactivity: Human; Mouse; Rat

Applications: WB;ELISA

Target: Manic Fringe

Fields: >>Other types of O-glycan biosynthesis;>>Notch signaling pathway;>>Human

papillomavirus infection

Gene Name: MFNG

Protein Name: Beta-1,3-N-acetylglucosaminyltransferase manic fringe

Human Gene Id: 4242

Human Swiss Prot

No:

Mouse Gene Id: 17305

Mouse Swiss Prot

No:

Immunogen: The antiserum was produced against synthesized peptide derived from human

MFNG. AA range:61-110

Specificity: Manic Fringe Polyclonal Antibody detects endogenous levels of Manic Fringe

protein.

O00587

O09008

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution: WB 1:500 - 1:2000. ELISA: 1:5000. Not yet tested in other applications.

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.



Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 38kD

Cell Pathway: Notch;

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],

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

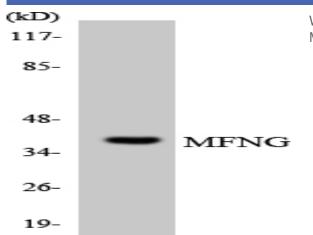
glycosyltransferase 31 family.,

Subcellular Location:

Golgi apparatus membrane ; Single-pass type II membrane protein .

Expression: Lymph,

Products Images



Western blot analysis of the lysates from HepG2 cells using MFNG antibody.