Best Tools for immunology Research

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 :	O00587
Mouse Gene Id :	17305
Mouse Swiss Prot No :	O09008
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.
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;

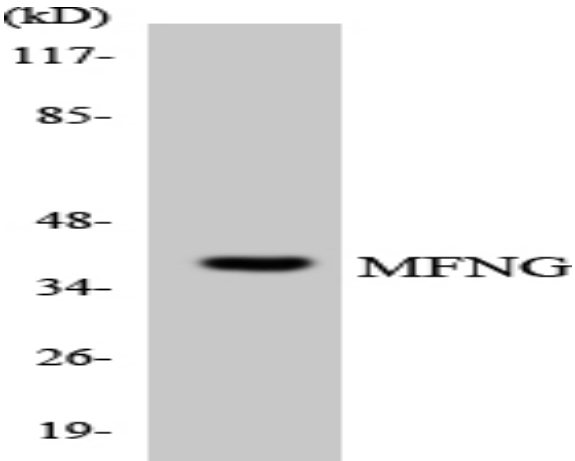
Background : This gene is a member of the fringe gene family which also includes radical and lunatic fringe genes. They all encode evolutionarily conserved secreted proteins that act in the Notch receptor pathway to demarcate boundaries during embryonic development. While their genomic structure is distinct 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.