

Manic Fringe rabbit pAb

Cat No.:ES6237

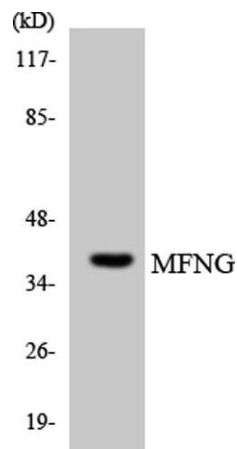
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Overview

| | |
|--------------------------|---|
| Product Name | Manic Fringe rabbit pAb |
| Host species | Rabbit |
| Applications | WB;ELISA |
| Species Cross-Reactivity | Human;Mouse;Rat |
| Recommended dilutions | Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications. |
| 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. |
| Storage | Store at -20°C. Avoid repeated freeze-thaw cycles. |
| Protein Name | Beta-1,3-N-acetylglucosaminyltransferase manic fringe |
| Gene Name | MFNG |
| Cellular localization | Golgi apparatus membrane ; Single-pass type II membrane protein . |
| Purification | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Clonality | Polyclonal |
| Concentration | 1 mg/ml |
| Observed band | 38kD |
| Human Gene ID | 4242 |
| Human Swiss-Prot Number | O00587 |
| Alternative Names | MFNG; Beta-1; 3-N-acetylglucosaminyltransferase manic fringe; O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase |
| 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],



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

