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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB11527 - Goat Anti-Manic Fringe Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: beta-1,3-N-acetylglucosaminyltransferase manic fringe, MFNG, MFNG
O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase, O-fucosylpeptide
3-beta-N-acetylglucosaminyltransferase, OTTHUMP00000197828

Official Symbol: MFNG

Accession Number(s): NP_002396.2; NP_001159815.1

Human GeneID(s): [4242](#)

Important Comments: This antibody is expected to recognize isoform 1 (NP_002396.2).

Immunogen

Peptide with sequence C-NRPIHASEPQPHNRT, from the internal region of the protein
sequence according to NP_002396.2; NP_001159815.1.

Please note the [peptide](#) is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity
chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum
albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:8000.

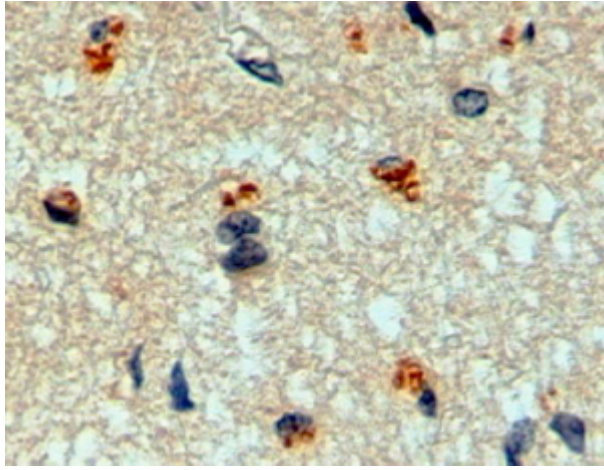
Western blot: Preliminary experiments gave an approx 65kDa band in lysates of cell line
HepG2 after 1µg/ml antibody staining. Please note that currently we cannot find an
explanation in the literature for the band we observe given the calculated size of 36.2kDa
according to NP_002396.2. The 65kDa band was successfully blocked by incubation with
the immunizing peptide. We would appreciate any feedback from people in the field - have
any results been reported with other antibodies/lysates? Have any further splice
variants/modified forms been reported?

IHC: In paraffin embedded Human Cerebral Cortex shows Golgi-type staining in neuronal
bodies. Recommended concentration, 2-4µg/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Cow



EB11527 (2µg/ml) staining of paraffin embedded Human Cerebral Cortex. Steamed antigen retrieval with Tris/EDTA buffer pH 9, HRP-staining.