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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.

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

Immunofluorescence: Strong expression of the protein seen in the Golgi of U2OS cells.
Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of U2OS cells. Recommended concentration:
10ug/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.

EB11527 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing Golgi staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

EB11527 Flow cytometric analysis of paraformaldehyde fixed U2OS cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.