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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.

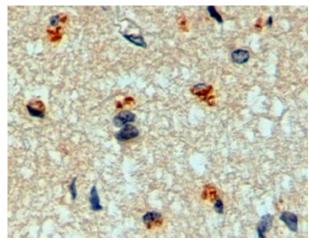
Immunofluorescence: Strong expression of the protein seen in the Golgi of U2OS cells. Recommended concentration: 10µg/ml.

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

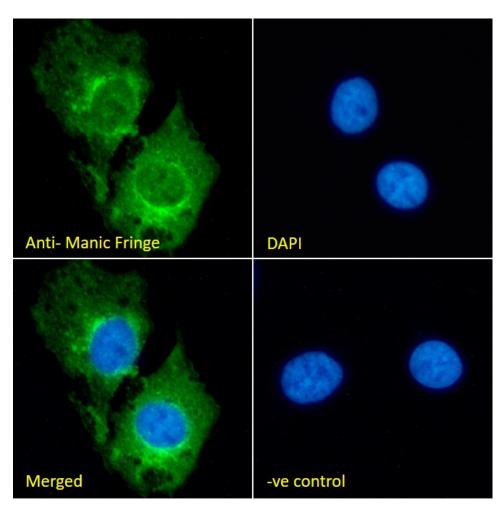
Species Reactivity

Tested: Human

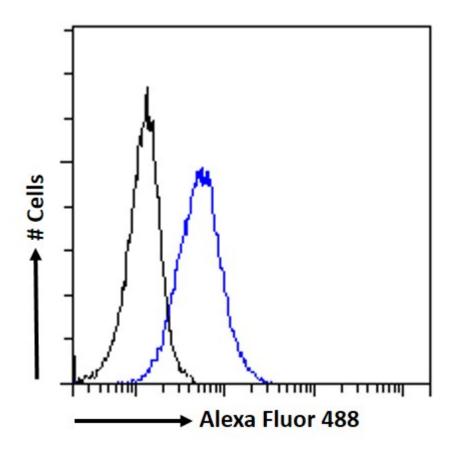
Expected from sequence similarity: Human, Cow



EB11527 ($2\mu g/ml$) 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.