Anti-Lunatic Fringe Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R015629

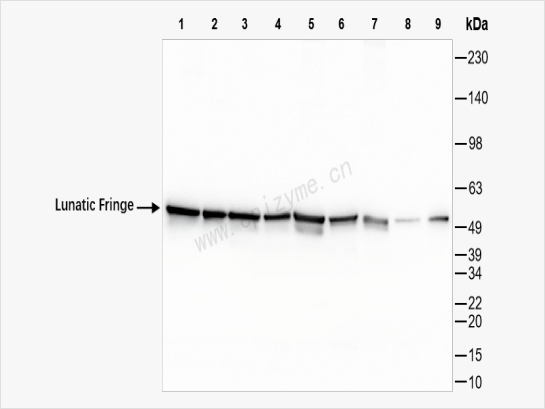
Product Information

Application	WB, ELISA
Reactivity	Human, Mouse
Dilution	WB 1:1,000~1:2,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	41H88J03
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Lunatic Fringe
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Lunatic Fringe Rabbit mAb [41H88J03] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	3-N-acetylglucosaminyltransferase lunatic fringe; Beta-1; Beta-13-N-acetylglucosaminyltransferase lunatic fringe; lfng; LFNG_HUMAN; O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase; SCDO3.
Calculated MW	Calculated MW: 42 kDa; Observed MW: 52 kDa
Uniprot ID	Q8NES3
Gene ID	3955
Background	This gene is a member of the glycosyltransferase 31 gene family. Members of this gene family, which also includes the MFNG (GeneID: 4242) and RFNG (GeneID: 5986) genes, encode evolutionarily conserved glycosyltransferases that act in the Notch signaling pathway to define boundaries during embryonic development. While their genomic structure is distinct from other glycosyltransferases, these 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. The protein encoded by this gene is predicted to be a single-pass type II Golgi membrane protein but it may also be secreted and proteolytically processed like the related proteins in mouse and Drosophila (PMID: 9187150). Mutations in this gene have been associated with autosomal recessive spondylocostal dysostosis 3. [provided by RefSeq, May 2018]
Cellular Location	Golgi apparatus membrane.

Validation Images



Western Blot - Anti-Lunatic Fringe Rabbit mAb [41H88J03]
All lanes: R015629 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 4: 293T (Human embryonic kidney cell) whole cell lysates
Lane 5: K562 (Human chronic myeloid leukemia cell) whole cell lysates
Lane 6: SH-SY5Y (Human neuroblastoma epithelial cell) whole cell lysates
Lane 7: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates
Lane 8: Mouse heart whole tissue lysates
Lane 9: Mouse liver whole tissue lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 42 kDa
Observed band size: 52 kDa
Developed using the ECL technique (Cat. No. SQ201).