

Anti-Lunatic Fringe Rabbit Monoclonal Antibody

Catalog # ABO16668

Product Information

Application	WB
Primary Accession	Q8NES3
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-Lunatic Fringe Rabbit Monoclonal Antibody . Tested in WB, ICC/IF applications. This antibody reacts with Human, Mouse, Rat.

Additional Information

Gene ID	3955
Other Names	Beta-1, 3-N-acetylglucosaminyltransferase lunatic fringe, 2.4.1.222, O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase, LFNG (HGNC:6560)
Calculated MW	41773
Application Details	WB 1:500-1:2000 ICC/IF 1:50-1:200
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: 31L39
Immunogen	A synthesized peptide derived from human Lunatic Fringe
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

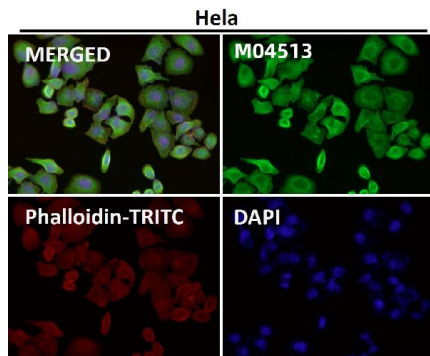
Name	LFNG (HGNC:6560)
Function	Glycosyltransferase that initiates the elongation of O-linked fucose residues attached to EGF-like repeats in the extracellular domain of Notch molecules. Modulates NOTCH1 activity by modifying O- fucose residues at specific EGF-like domains resulting in inhibition of NOTCH1 activation by JAG1 and

enhancement of NOTCH1 activation by DLL1 via an increase in its binding to DLL1 (By similarity). Decreases the binding of JAG1 to NOTCH2 but not that of DLL1 (PubMed:[11346656](#)). Essential mediator of somite segmentation and patterning (By similarity).

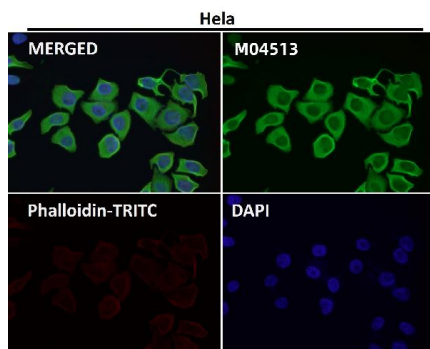
Cellular Location

Golgi apparatus {ECO:0000250 | UniProtKB:O09010}. Golgi apparatus membrane; Single-pass type II membrane protein

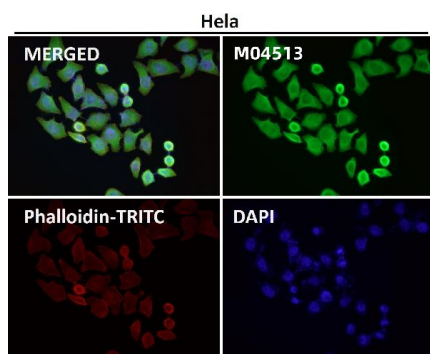
Images



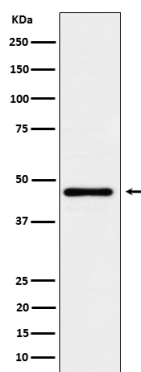
Immunofluorescent analysis using the Antibody at 1:50 dilution.



Immunofluorescent analysis using the Antibody at 1:150 dilution.



Immunofluorescent analysis using the Antibody at 1:500 dilution.



Western blot analysis of Lunatic Fringe expression in HeLa cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.