

Anti-Lunatic Fringe Rabbit Monoclonal Antibody
Catalog # ABO16668**Specification****Anti-Lunatic Fringe Rabbit Monoclonal Antibody - 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.

Anti-Lunatic Fringe Rabbit Monoclonal Antibody - 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 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=6560)
HGNC:6560

Application Details

WB 1:500-1:2000
ICC/IF 1:50-1:200

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.

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.

Anti-Lunatic Fringe Rabbit Monoclonal Antibody - 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).

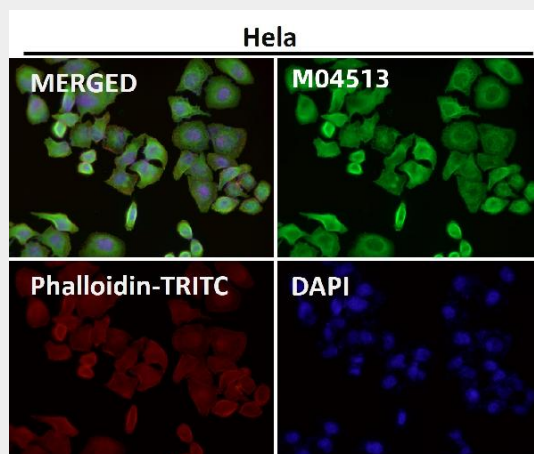
Cellular Location

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

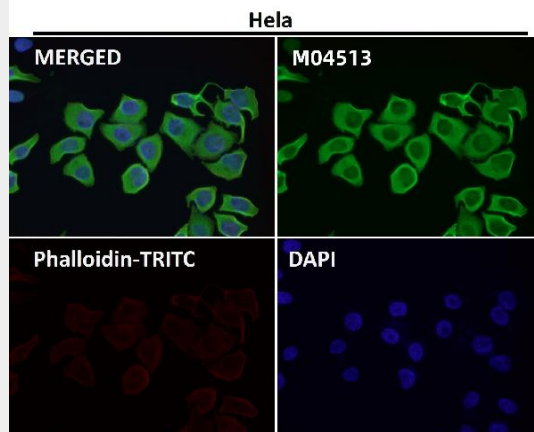
Anti-Lunatic Fringe Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

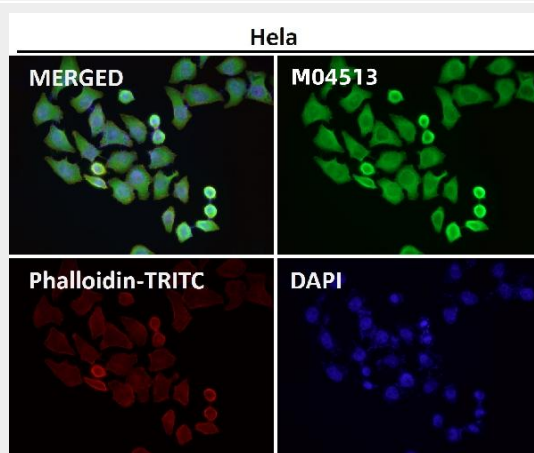
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-Lunatic Fringe Rabbit Monoclonal Antibody - Images

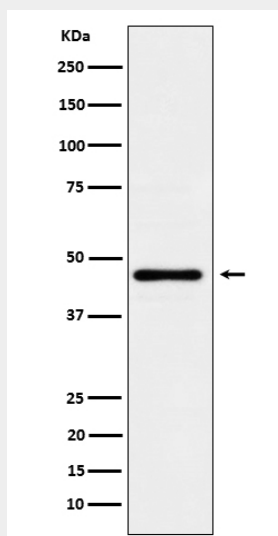
Immunofluorescent analysis using the Antibody at 1:50 dilution.



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.