

**Lunatic Fringe Polyclonal Antibody**  
**Catalog # AP70788****Specification**

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**Lunatic Fringe Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q8NES3</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

**Lunatic Fringe Polyclonal Antibody - Additional Information****Gene ID** 3955**Other Names**LFNG; Beta-1; 3-N-acetylglucosaminyltransferase lunatic fringe; O-fucosylpeptide  
3-beta-N-acetylglucosaminyltransferase**Dilution**

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**Lunatic Fringe Polyclonal 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:<a href="http://www.uniprot.org/citations/11346656" target="\_blank">11346656</a>). Essential mediator of somite segmentation and patterning (By similarity).

**Cellular Location**

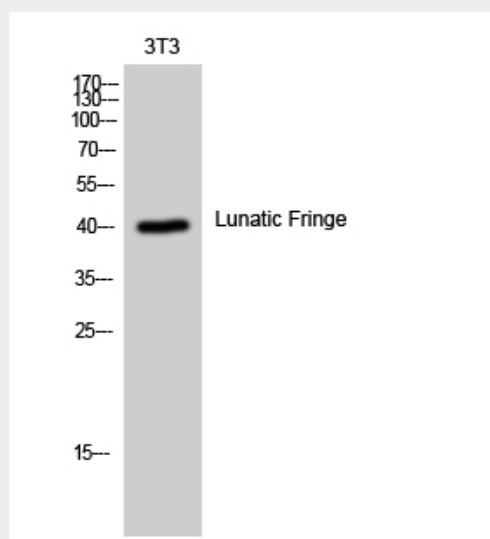
Golgi apparatus {ECO:0000250|UniProtKB:O09010}. Golgi apparatus membrane; Single-pass type II membrane protein

**Lunatic Fringe Polyclonal 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](#)

#### **Lunatic Fringe Polyclonal Antibody - Images**



Western Blot analysis of 3T3 cells using Lunatic Fringe Polyclonal Antibody diluted at 1:1000

#### **Lunatic Fringe Polyclonal Antibody - Background**

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).