Datasheet for ABIN653477
anti-LFNG antibody (AA 86-114)

3	Images

Overview

Quantity:	400 μL
Target:	LFNG
Binding Specificity:	AA 86-114
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LFNG antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This LFNG antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 86-114 amino acids from the Central region of human LFNG.
Clone:	RB24078
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	LFNG
Alternative Name:	LFNG (LFNG Products)

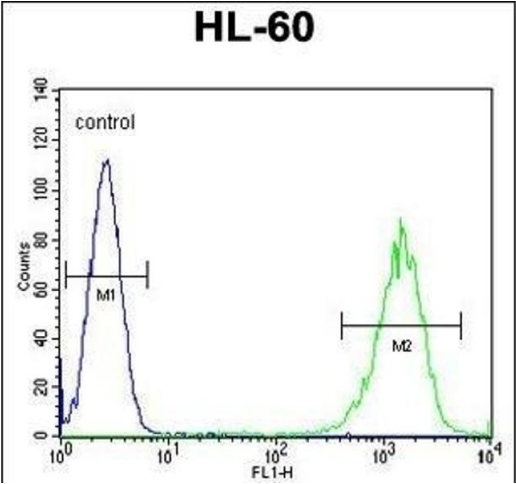## Target Details

Background:	LFNG belongs to 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, fringe 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. This protein 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).
Molecular Weight:	41773
Gene ID:	3955
NCBI Accession:	NP_001035257, NP_001035258, NP_001159827, NP_002295
UniProt:	Q8NES3
Pathways:	Notch Signaling

Application Details

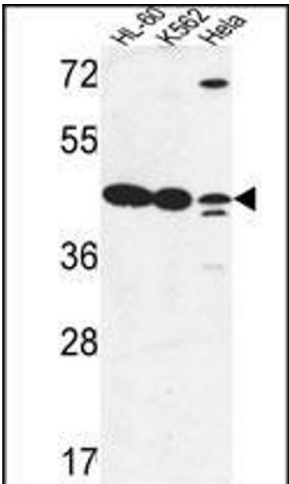|	
Application Notes:	WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only

Handling

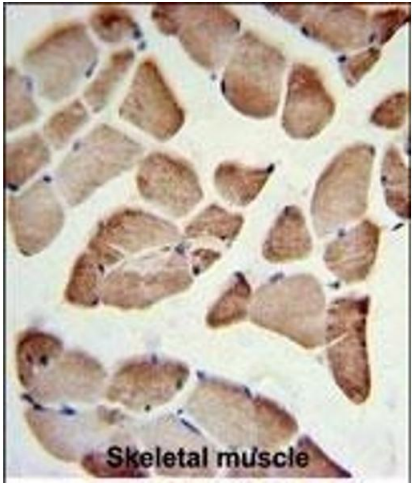|	
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Images

HL-60

Flow Cytometry

Image 1. LFNG Antibody (Center) (ABIN653477 and ABIN2842898) flow cytometric analysis of HL-60 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Western Blotting

Image 2. LFNG Antibody (Center) (ABIN653477 and ABIN2842898) western blot analysis in HL-60,K562,Hela cell line lysates (35 µg/lane).This demonstrates the LFNG antibody detected the LFNG protein (arrow).

Immunohistochemistry (Paraffin-embedded Sections)

Image 3. LFNG Antibody (Center) (ABIN653477 and ABIN2842898) IHC analysis in formalin fixed and paraffin embedded skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the LFNG Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.