

Rabbit anti-Human LFNG Polyclonal Antibody | anti-LFNG antibody

LFNG Antibody (Center)

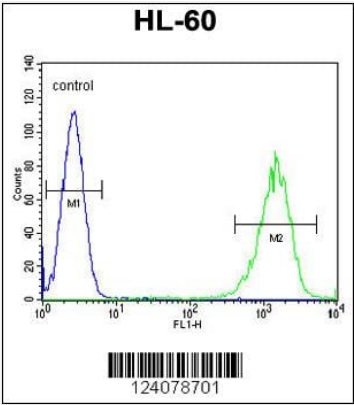
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285061	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

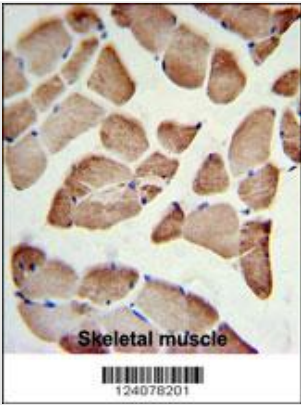
LFNG; Polyclonal Antibody; LFNG Antibody (Center); Beta-1; 3-N-acetylglucosaminyltransferase lunatic fringe; O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase; anti-LFNG antibody

PRODUCT SPECIFICATIONS

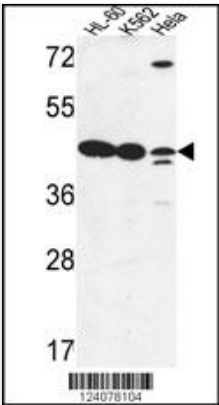
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This LFNG antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 86-114 amino acids from the Central region of human LFNG.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	86-114
Sequence Length	308
Applicable Applications for anti-LFNG antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
LFNG Antibody (Center) 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.



IHC (Immunohistochemistry)
LFNG Antibody (Center) 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.



WB (Western Blot)
LFNG Antibody (Center) western blot analysis in HL-60, K562, HeLa cell line lysates (35ug/lane). This demonstrates the LFNG antibody detected the LFNG protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-LFNG antibody	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).
Product Categories/Family for anti-LFNG antibody	Developmental biology; Neuroscience; Signal transduction
References	Dunwoodie, S.L. Biochim. Biophys. Acta 1792(2):100-111(2009) Reedijk, M., et al. Int. J. Oncol. 33(6):1223-1229(2008) Sparrow, D.B., et al. Am. J. Hum. Genet. 78(1):28-37(2006) Cole, S.E., et al. Dev. Cell 3(1):75-84(2002) Moran, J.L., et al. Mamm. Genome 10(6):535-541(1999)

NCBI AND UNIPROT INFORMATION

NCBI GI #	93140999
NCBI GeneID	3955

NCBI Accession #	NP_001035257.1; NP_001035258.1; NP_001159827.1; NP_002295.1
NCBI GenBank Nucleotide #	NM_001040167.1
UniProt Accession #	Q8NES3; O00589; Q96C39; Q9UJW5; B3KTY6; B5MCR5
Molecular Weight	41773
NCBI Official Full Name	beta-1,3-N-acetylglucosaminyltransferase lunatic fringe isoform a preproprotein
NCBI Official Synonym Full Names	LFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase
NCBI Official Symbol	LFNG
NCBI Official Synonym Symbols	SCDO3
NCBI Protein Information	beta-1,3-N-acetylglucosaminyltransferase lunatic fringe
UniProt Protein Name	Beta-1,3-N-acetylglucosaminyltransferase lunatic fringe
UniProt Gene Name	LFNG
UniProt Entry Name	LFNG_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/lfng-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/285061>