

## Rabbit LFNG Polyclonal Antibody | anti-LFNG antibody

LFNG Polyclonal Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                              |
|-----------|--------|-------------------|-------------------------------------------|
| AAA176701 | Rabbit | Human, Mouse, Rat | ELISA, Immunohistochemistry, Western Blot |

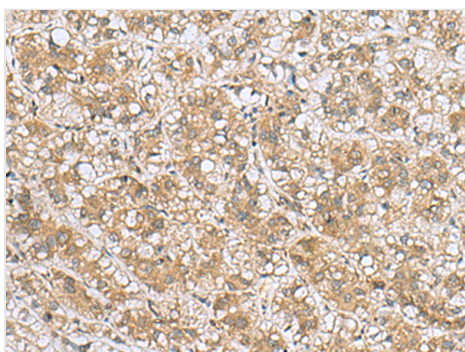
### PRODUCT SYNONYMS

LFNG; Polyclonal Antibody; LFNG Polyclonal Antibody; 3-N-acetylglucosaminyltransferase lunatic fringe; Beta-1; Beta-13-N-acetylglucosaminyltransferase lunatic fringe; Lfng; O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase; SCDO3; anti-LFNG antibody

### PRODUCT SPECIFICATIONS

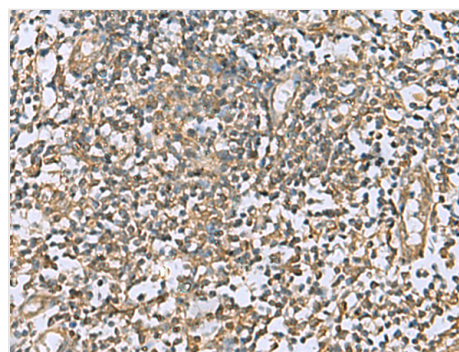
|                                                |                                                         |
|------------------------------------------------|---------------------------------------------------------|
| Host                                           | Rabbit                                                  |
| Reactivity                                     | Human, Mouse, Rat                                       |
| Clonality                                      | Polyclonal                                              |
| Isotype                                        | IgG                                                     |
| Purity/Purification                            | Antigen Affinity Purification                           |
| Form/Format                                    | PBS with 0.05% NaN <sub>3</sub> and 40% Glycerol, pH7.4 |
| Concentration                                  | 1.08mg/mL (varies by lot)                               |
| Sequence Length                                | 379                                                     |
| Applicable Applications for anti-LFNG antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot)    |
| Immunogen                                      | Fusion protein of human LFNG                            |
| Conjugation                                    | Unconjugated                                            |
| Preparation and Storage                        | Store at -20 degree C. Avoid freeze/thaw cycles.        |

### IMAGES



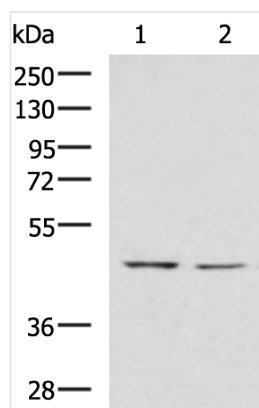
**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded Human liver cancer tissue using LFNG Polyclonal Antibody at dilution of 1:60(×200)



**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded Human tonsil tissue using LFNG Polyclonal Antibody at dilution of 1:60(×200)



**WB (Western Blot)**  
Western blot analysis of K562 and HT-29 cell lysates using LFNG Polyclonal Antibody at dilution of 1:900

### ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-LFNG antibody | This gene is a member of the fringe gene family which also includes radical and manic fringe genes. They all encode 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 gene product 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). Mutations in this gene have been associated with autosomal recessive spondylocostal dysostosis 3. Multiple transcript variants encoding different isoforms have been found for this gene. |
| Product Categories/Family for anti-LFNG antibody   | <a href="#">Developmental Biology</a> ; <a href="#">Neuroscience</a> ; <a href="#">Stem Cells</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

### NCBI AND UNIPROT INFORMATION

|                                  |                                                                   |
|----------------------------------|-------------------------------------------------------------------|
| NCBI GI #                        | <a href="#">93140999</a>                                          |
| NCBI GeneID                      | <a href="#">3955</a>                                              |
| NCBI Accession #                 | <a href="#">NP_001035257.1</a> ; <a href="#">BC014851</a>         |
| NCBI GenBank Nucleotide #        | <a href="#">NP_001035257.1</a>                                    |
| UniProt Accession #              | <a href="#">Q8NES3</a>                                            |
| Molecular Weight                 | 42 kDa                                                            |
| NCBI Official Full Name          | beta-1,3-N-acetylglucosaminyltransferase lunatic fringe isoform a |
| 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                | <b>LFNG</b>                                                       |
| 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.

