

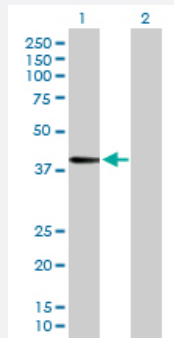
MaxPab®

FUT3 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00002525-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of FUT3 expression in transfected 293T cell line ([H00002525-T02](#)) by FUT3 MaxPab polyclonal antibody.

Lane 1: FUT3 transfected lysate(42.10 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human FUT3 protein.

Immunogen

FUT3 (NP_000140.1, 1 a.a. ~ 361 a.a) full-length human protein.

Sequence

MDPLGAAKPQWPWRRCLAALLFQLLVAVCFFSYLRVSRDDATGSPRAPSGSSSRQDTPTRPTL
LILLWTWPFHIPVALSRCSEMPVPGTADCHITADRKVYPQADTVVHHWDIMSNPKSRLPPSPRPQG
QRWWFNLEPPPNCQHLEALDRYFNLTMSYRSDSDIFTPYGWLEPWGQPAHPLNLSAKTELV
AWAVSNWKPD SARVRYYSLSQAHLKVDVYGRSHKPLPKGTMMETLSRYKFYLAFENSLHPDYIT
EKLWRNALEAWAVPVVLGPSRSNYERFLPPDAFIHVDDFQSPKDLARYLQELDKDHARYLSYFR
WRETLRPRSFSWALDFCKACWKLQQESRYQTVRSIAAWFT

Host

Rabbit

Reactivity

Human

Quality Control Testing

Antibody reactive against mammalian transfected lysate.

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

Gene Info — FUT3

Entrez GeneID [2525](#)

GeneBank Accession# [NM_000149.1](#)

Protein Accession# [NP_000140.1](#)

Gene Name FUT3

Gene Alias CD174, FT3B, FucT-III, LE, Les, MGC131739

Gene Description fucosyltransferase 3 (galactoside 3(4)-L-fucosyltransferase, Lewis blood group)

Omim ID [111100](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The Lewis histo-blood group system comprises a set of fucosylated glycosphingolipids that are synthesized by exocrine epithelial cells and circulate in body fluids. The glycosphingolipids function in embryogenesis, tissue differentiation, tumor metastasis, inflammation, and bacterial adhesion. They are secondarily absorbed to red blood cells giving rise to their Lewis phenotype. This gene is a member of the fucosyltransferase family, which catalyzes the addition of fucose to precursor polysaccharides in the last step of Lewis antigen biosynthesis. It encodes an enzyme with alpha(1,3)-fucosyltransferase and alpha(1,4)-fucosyltransferase activities. Mutations in this gene are responsible for the majority of Lewis antigen-negative phenotypes. Multiple alternatively spliced variants, encoding the same protein, have been found for this gene. [provided by RefSeq]

Other Designations

Lewis FT|alpha-(1,3/1,4)-fucosyltransferase|blood group Lewis alpha-4-fucosyltransferase|fucosyltransferase 3|galactoside 3(4)-L-fucosyltransferase

Pathway

- [Glycosphingolipid biosynthesis - lacto and neolacto series](#)
- [Metabolic pathways](#)

Disease

- [Asthma](#)
- [Atherosclerosis](#)
- [Breast Neoplasms](#)
- [Caliciviridae Infections](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Coronary Disease](#)
- [Cystic fibrosis](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Gastritis](#)
- [Genetic Predisposition to Disease](#)
- [Helicobacter Infections](#)
- [Lymphatic Metastasis](#)
- [Obesity](#)
- [Peptic Ulcer](#)
- [Pseudomonas Infections](#)
- [Stomach Neoplasms](#)
- [Stomach Ulcer](#)
- [Thrombosis](#)