DNAxPAb | Hard-to-Find Antibody

FUT3 DNAxPab

Catalog # H00002525-W01P Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human FUT3 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MDPLGAAKPQWPWRRCLAALLFQLLVAVCFFSYLRVSRDDATGSPRAPSGSSRQDTTPTRPTL LILLWTWPFHIPVALSRCSEMVPGTADCHITADRKVYPQADTVIVHHWDIMSNPKSRLPPSPRPQG QRWIWFNLEPPPNCQHLEALDRYFNLTMSYRSDSDIFTPYGWLEPWSGQPAHPPLNLSAKTELV AWAVSNWKPDSARVRYYQSLQAHLKVDVYGRSHKPLPKGTMMETLSRYKFYLAFENSLHPDYIT EKLWRNALEAWAVPVVLGPSRSNYERFLPPDAFIHVDDFQSPKDLARYLQELDKDHARYLSYFR WRETLRPRSFSWALDFCKACWKLQQESRYQTVRSIAAWFT
Host	Rabbit
Reactivity	Human
Purification	Protein A
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.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

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