

## Product datasheet for **AP51737PU-N**

### **FUT3 (C-term) Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	<b>ELISA:</b> 1/1000. <b>Western Blot:</b> 1/100-1/500.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 294~324 amino acids from the C-terminal region of human Fucosyltransferase 3
Specificity:	This antibody recognizes Human Fucosyltransferase 3 (C-term).
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A column, followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	fucosyltransferase 3 (Lewis blood group)
Database Link:	<a href="#">Entrez Gene 2525 Human P21217</a>



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**Background:**

FUT3 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 protein 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.

**Synonyms:**

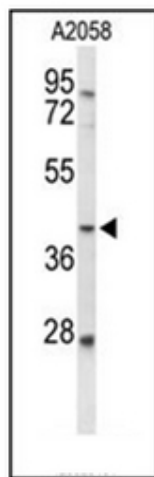
FUT3, FT3B, LE, Fucosyltransferase III, Lewis FT, FucT-III

**Note:**

**Molecular Weight:** 42117 Da

**Protein Pathways:**

Glycosphingolipid biosynthesis - lacto and neolacto series, Metabolic pathways

**Product images:**

Western blot analysis of FUT3 Antibody (C-term) in A2058 cell line lysates (35ug/lane). FUT3 (arrow) was detected using the purified Pab.