

Datasheet for ABIN3042410  
**anti-FUT1 antibody (N-Term)**

## 4 Images

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## Overview

Quantity:	100 µg
Target:	FUT1
Binding Specificity:	AA 134-164, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FUT1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Purpose:	Rabbit IgG polyclonal antibody for Galactoside 2-alpha-L-fucosyltransferase 1(FUT1) detection. Tested with WB, IHC-P in Human,Mouse, Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human FUT1 (134-164aa EVDSRTPWRELQLHDWMSEEYADLRDPFLKL), different from the related mouse and rat sequences by seven amino acids.
Sequence:	EVDSRTPWRE LQLHDWMSEE YADLRDPFLK L
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Galactoside 2-alpha-L-fucosyltransferase 1(FUT1) detection. Tested with WB, IHC-P in Human,Mouse, Rat.  Gene Name: fucosyltransferase 1 (galactoside 2-alpha-L-fucosyltransferase, H blood group)

## Product Details

Protein Name: Galactoside 2-alpha-L-fucosyltransferase 1

Purification: Immunogen affinity purified.

## Target Details

Target: FUT1

Alternative Name: FUT1 ([FUT1 Products](#))

Background: Galactoside 2-alpha-L-fucosyltransferase 1 is an enzyme that in humans is encoded by the FUT1 gene. It is mapped to 19q13.3. The protein encoded by this gene is a Golgi stack membrane protein that is involved in the creation of a precursor of the H antigen, which is required for the final step in the soluble A and B antigen synthesis pathway. This gene is one of two encoding the galactoside 2-L-fucosyltransferase enzyme. Mutations in this gene are a cause of the H-Bombay blood group.

Synonyms: 2)FT 1 antibody|2-alpha-L-fucosyltransferase antibody|Alpha (1 2) fucosyltransferase antibody|Alpha(1 2)FT 1 antibody|Alpha(1 antibody|Blood group H alpha 2-fucosyltransferase antibody|fucosyltransferase 1 (galactoside 2-alpha-L-fucosyltransferase) antibody| Fucosyltransferase 1 antibody|FUT1 antibody|FUT1\_HUMAN antibody|Galactoside 2 alpha L fucosyltransferase antibody|Galactoside 2-alpha-L-fucosyltransferase 1 antibody|GDP-L-fucose:beta-D-galactoside 2-alpha-L-fucosyltransferase 1 antibody|H antibody|HH antibody|HSC antibody|Para Bombay phenotype antibody

Gene ID: 2523

UniProt: [P19526](#)

## Application Details

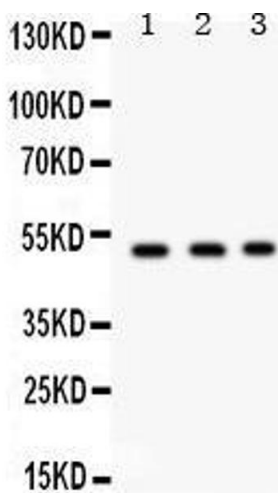
Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat  
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.  
Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

## Application Details

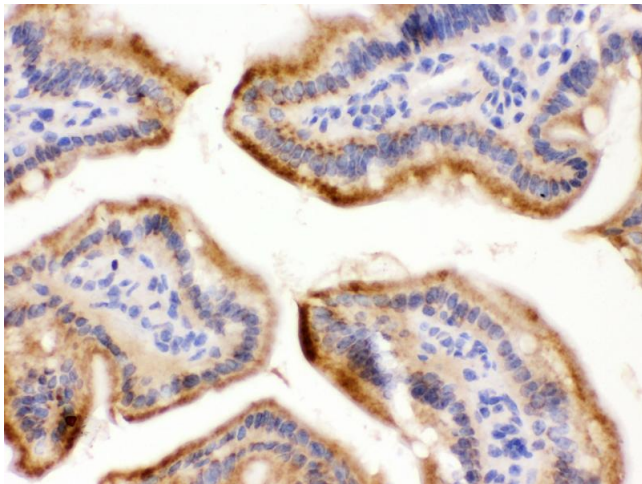
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month.  It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

## Images



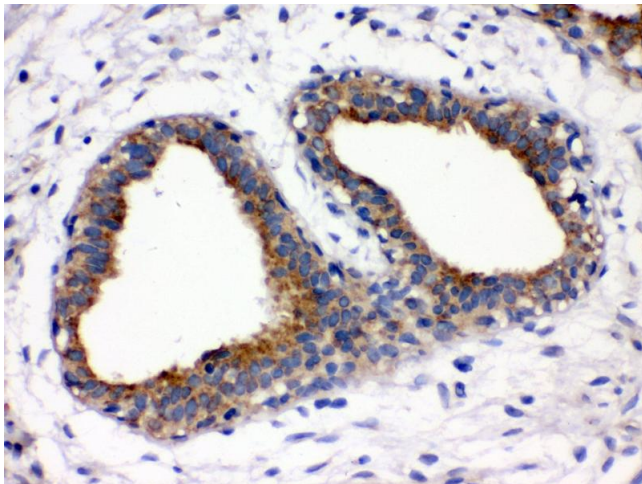
### Western Blotting

Image 1.



#### Immunohistochemistry

**Image 2.** Anti- FUT1 Picoband antibody, IHC(P) IHC(P):  
Mouse Intestine Tissue



#### Immunohistochemistry

**Image 3.** Anti- FUT1 Picoband antibody, IHC(P) IHC(P):  
Human Mammary Cancer Tissue

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN3042410.