

FUT1 Polyclonal Antibody | anti-FUT1 antibody

Anti-FUT1 Antibody

CATALOG # AAA46433	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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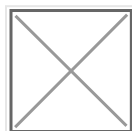
PRODUCT SYNONYMS

FUT1; Polyclonal Antibody; Anti-FUT1 Antibody; Galactoside 2-alpha-L-fucosyltransferase 1; 2)FT 1; 2-alpha-L-fucosyltransferase; Alpha (1 2) fucosyltransferase; Alpha(1 2)FT 1; Alpha(1; Blood group H alpha 2-fucosyltransferase; fucosyltransferase 1 (galactoside 2-alpha-L-fucosyltransferase); Fucosyltransferase 1; FUT1_HUMAN; Galactoside 2 alpha L fucosyltransferase; GDP-L-fucose:beta-D-galactoside 2-alpha-L-fucosyltransferase 1; H; HH; HSC; Para Bombay phenotype; fucosyltransferase 1 (galactoside 2-alpha-L-fucosyltransferase; H blood group); anti-FUT1 antibody

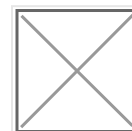
PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	365
Applicable Applications for anti-FUT1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human FUT1 (134-164aa EVDSRTPWRELQLHDWMSEYADLRDPFLKL), different from the related mouse and rat sequences by seven amino acids.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

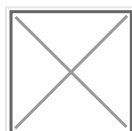
IMAGES



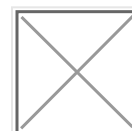
IHC (Immunohistochemistry)
Anti- FUT1 Picoband antibody, AAA46433, IHC(P)IHC(P): Human Mammary Cancer Tissue



IHC (Immunohistochemistry)
Anti- FUT1 Picoband antibody, AAA46433, IHC(P)IHC(P): Rat Intestine Tissue



IHC (Immunohistochemistry)
Anti- FUT1 Picoband antibody, AAA46433, IHC(P)IHC(P): Mouse Intestine Tissue



WB (Western Blot)
Anti- FUT1 Picoband antibody, AAA46433, Western blottingAll lanes: Anti FUT1 (AAA46433) at 0.5ug/mlLane 1: Rat Kidney Tissue Lysate at 50ugLane 2: SW620 Whole Cell Lysate at 40ugLane 3: A549 Whole Cell Lysate at 40ugPredicted bind size: 50KDObserved bind size: 50KD

ADDITIONAL INFORMATION

Related Product Information for anti-FUT1 antibody	Description: Rabbit IgG polyclonal antibody for Galactoside 2-alpha-L-fucosyltransferase 1(FUT1) detection. Tested with WB, IHC-P in Human;Mouse; Rat. 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.
References	1. "Entrez Gene: FUT1 fucosyltransferase 1 (galactoside 2-alpha-L-fucosyltransferase, H blood group)". 2. Ball SP, Tongue N, Gibaud A et al. (1992). "The human chromosome 19 linkage group FUT1 (H), FUT2 (SE), LE, LU, PEPD, C3, APOC2, D19S7 and D19S9". Ann. Hum. Genet. 55 (Pt 3): 225-33. 3. Yip SP, Chee KY, Chan PY et al. (2003). "Molecular genetic analysis of para-Bombay phenotypes in Chinese: a novel non-functional FUT1 allele is identified". Vox Sang. 83 (3): 258-62.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503805
NCBI GeneID	2523
NCBI Accession #	NP_000139.1
NCBI GenBank Nucleotide #	NM_000148.3
UniProt Accession #	P19526; O14505; O14506; O14507
Molecular Weight	41,251 Da
NCBI Official Full Name	galactoside 2-alpha-L-fucosyltransferase 1
NCBI Official Synonym Full Names	fucosyltransferase 1 (H blood group)
NCBI Official Symbol	FUT1
NCBI Official Synonym Symbols	H; HH; HSC
NCBI Protein Information	galactoside 2-alpha-L-fucosyltransferase 1
UniProt Protein Name	Galactoside 2-alpha-L-fucosyltransferase 1
UniProt Gene Name	FUT1
UniProt Synonym Gene Names	H; HSC
UniProt Entry Name	FUT1_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.