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FUT2 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant FUT2.
Catalog # AT2123a

Product Information

Application	WB
Primary Accession	Q10981
Other Accession	NM_000511
Reactivity	Human, Mouse
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	4C12
Calculated MW	39017

Additional Information

Gene ID	2524
Other Names	Galactoside 2-alpha-L-fucosyltransferase 2, Alpha(1, 2)FT 2, Fucosyltransferase 2, GDP-L-fucose:beta-D-galactoside 2-alpha-L-fucosyltransferase 2, SE2, Secretor blood group alpha-2-fucosyltransferase, Secretor factor, Se, FUT2, SEC2
Target/Specificity	FUT2 (NP_000502, 51 a.a. ~ 150 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	FUT2 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

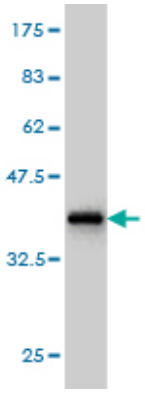
Background

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. Two transcript variants encoding the same protein have been found for this gene.

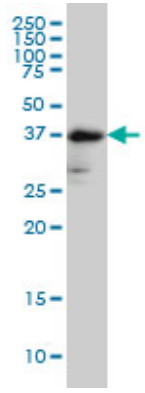
References

Fucosyltransferase 2 (FUT2) non-secretor status is associated with Crohn's disease. McGovern DP, et al. Hum Mol Genet, 2010 Sep 1. PMID 20570966.Population based allele frequencies of disease associated polymorphisms in the Personalized Medicine Research Project. Cross DS, et al. BMC Genet, 2010 Jun 17. PMID 20565774.[Analysis of alpha-1,2-fucosyltransferase gene mutations in a Chinese family with para-Bombay phenotype] Xu XG, et al. Zhonghua Yi Xue Yi Chuan Xue Za Zhi, 2010 Jun. PMID 20533259.Polymorphisms of Lewis and Secretor genes are related to breast cancer and metastasis in axillary lymph nodes. Teresa DB, et al. Tumour Biol, 2010 Jun 1. PMID 20514537.The relationship between Lewis/Secretor genotypes and serum carbohydrate antigen 19-9 levels in a Korean population. Park HD, et al. Korean J Lab Med, 2010 Feb. PMID 20197723.

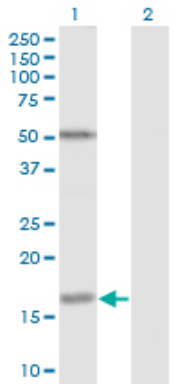
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .



FUT2 monoclonal antibody (M02), clone 4C12 Western Blot analysis of FUT2 expression in NIH/3T3 ((Cat # AT2123a)



Western Blot analysis of FUT2 expression in transfected 293T cell line by FUT2 monoclonal antibody (M02), clone 4C12.

Lane 1: FUT2 transfected lysate(17.5 KDa).
Lane 2: Non-transfected lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.