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FUCA1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant FUCA1.
Catalog # AT2119a

Product Information

Application	WB
Primary Accession	P04066
Other Accession	BC017338
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	1D4
Calculated MW	53689

Additional Information

Gene ID	2517
Other Names	Tissue alpha-L-fucosidase, Alpha-L-fucosidase I, Alpha-L-fucoside fucohydrolase 1, Alpha-L-fucosidase 1, FUCA1
Target/Specificity	FUCA1 (AAH17338, 23 a.a. ~ 461 a.a) full-length 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	FUCA1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

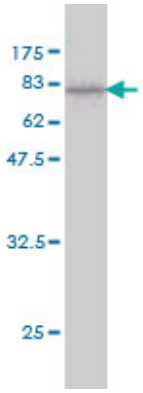
The protein encoded by this gene is a lysosomal enzyme involved in the degradation of fucose-containing glycoproteins and glycolipids. Mutations in this gene are associated with fucosidosis (FUCA1D), which is an autosomal recessive lysosomal storage disease. A pseudogene of this locus is present on chr 2.

References

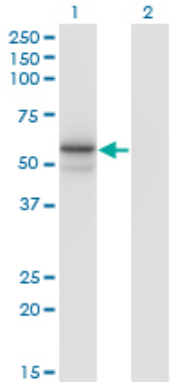
Spectrofluorimetric method for measuring the activity of the enzyme alpha-L-fucosidase using the ion associate of 2-chloro-4-nitro phenol-rhodamine-B. El-Shahawi MS, et al. Talanta, 2009 Nov 15. PMID 19782187. Defining the human deubiquitinating enzyme interaction landscape. Sowa ME, et al. Cell, 2009 Jul

23. PMID 19615732. Polymorphism in the IL18 gene and epithelial ovarian cancer in non-Hispanic white women. Palmieri RT, et al. Cancer Epidemiol Biomarkers Prev, 2008 Dec. PMID 19064572. Activity of lysosomal exoglycosidases in saliva of patients with HIV infection. Kna? M, et al. Adv Med Sci, 2007. PMID 18217416. Crypticity and functional distribution of the membrane associated alpha-L-fucosidase of human sperm. Venditti JJ, et al. Mol Reprod Dev, 2007 Jun. PMID 17133604.

Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (74.03 KDa) .



Western Blot analysis of FUCA1 expression in transfected 293T cell line by FUCA1 monoclonal antibody (M01), clone 1D4.

Lane 1: FUCA1 transfected lysate(53.2 KDa).
Lane 2: Non-transfected lysate.

Citations

- Detection of Human α-L-Fucosidases by a Quinone Methide-Generating Probe: Enhanced Activities in Response to Helicobacter pylori Infection.