

# FUCA1 Antibody (monoclonal) (M01)

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

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">P04066</a>
<b>Other Accession</b>	<a href="#">BC017338</a>
<b>Reactivity</b>	Human
<b>Host</b>	mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgG2b Kappa
<b>Clone Names</b>	1D4
<b>Calculated MW</b>	53689

## Additional Information

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<b>Gene ID</b>	2517
<b>Other Names</b>	Tissue alpha-L-fucosidase, Alpha-L-fucosidase I, Alpha-L-fucoside fucohydrolase 1, Alpha-L-fucosidase 1, FUCA1
<b>Target/Specificity</b>	FUCA1 (AAH17338, 23 a.a. ~ 461 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Dilution</b>	WB~~1:500~1000
<b>Format</b>	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Precautions</b>	FUCA1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

## Background

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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

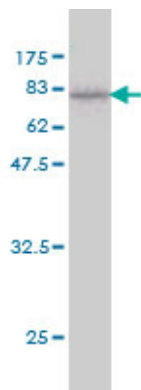
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Spectrofluorimetric method for measuring the activity of the enzyme alpha-L-fucosidase using the ion associate of 2-chloro-4-nitro phenol-rhodamine-B. El-Shahawi MS, et al. Talanta, 2009 Nov 15. PMID 19782187. Defining the human deubiquitinating enzyme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

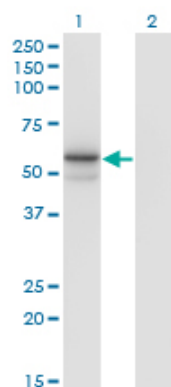
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## Images

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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

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- [Detection of Human  \$\alpha\$ -L-Fucosidases by a Quinone Methide-Generating Probe: Enhanced Activities in Response to \*Helicobacter pylori\* Infection.](#)

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