

# EMILIN1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant EMILIN1.

Catalog # AT1899a

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">Q9Y6C2</a>
<b>Other Accession</b>	<a href="#">BC007530</a>
<b>Reactivity</b>	Human
<b>Host</b>	mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgG2b Kappa
<b>Clone Names</b>	4A3
<b>Calculated MW</b>	106695

## Additional Information

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<b>Gene ID</b>	11117
<b>Other Names</b>	EMILIN-1, Elastin microfibril interface-located protein 1, Elastin microfibril interfacier 1, EMILIN1, EMI
<b>Target/Specificity</b>	EMILIN1 (AAH07530, 1 a.a. ~ 347 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 E~~N/A
<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>	EMILIN1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

## Background

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This gene encodes an extracellular matrix glycoprotein that is characterized by an N-terminal microfibril interface domain, a coiled-coiled alpha-helical domain, a collagenous domain and a C-terminal globular C1q domain. The encoded protein associates with elastic fibers at the interface between elastin and microfibrils and may play a role in the development of elastic tissues including large blood vessels, dermis, heart and lung.

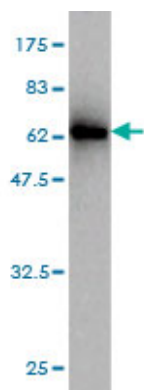
## References

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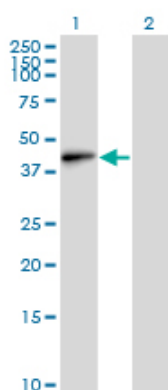
Association study of the elastin microfibril interfacier 1 (EMILIN1) gene in essential hypertension. Shimodaira

M, et al. Am J Hypertens, 2010 May. PMID 20186130.Emilin1 gene and essential hypertension: a two-stage association study in northern Han Chinese population. Shen C, et al. BMC Med Genet, 2009 Nov 18. PMID 19922630.NMR-based homology model for the solution structure of the C-terminal globular domain of EMILIN1. Verdone G, et al. J Biomol NMR, 2009 Feb. PMID 19023665.Candidate gene analysis in primary lymphedema. Ferrell RE, et al. Lymphat Res Biol, 2008. PMID 18564921.The solution structure of EMILIN1 globular C1q domain reveals a disordered insertion necessary for interaction with the alpha4beta1 integrin. Verdone G, et al. J Biol Chem, 2008 Jul 4. PMID 18463100.

## Images

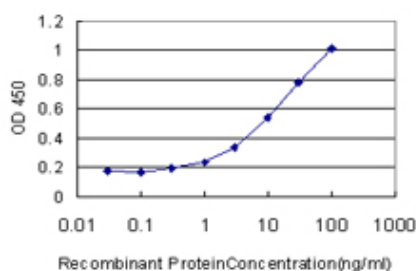


Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (63.91 KDa) .



Western Blot analysis of EMILIN1 expression in transfected 293T cell line by EMILIN1 monoclonal antibody (M01), clone 4A3.

Lane 1: EMILIN1 transfected lysate(35.9 KDa).  
Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged EMILIN1 is approximately 0.3ng/ml as a capture antibody.

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