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EMILIN1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant EMILIN1.
Catalog # AT1899a

Product Information

Application	WB, E
Primary Accession	Q9Y6C2
Other Accession	BC007530
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	4A3
Calculated MW	106695

Additional Information

Gene ID	11117
Other Names	EMILIN-1, Elastin microfibril interface-located protein 1, Elastin microfibril interfacer 1, EMILIN1, EMI
Target/Specificity	EMILIN1 (AAH07530, 1 a.a. ~ 347 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
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	EMILIN1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

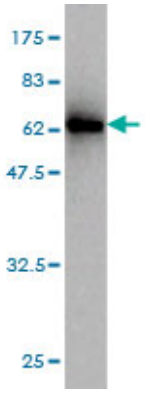
This gene encodes an extracellular matrix glycoprotein that is characterized by an N-terminal microfibril interface domain, a coiled-coiled alpha-helical domain, a collagenous domain and a C-terminal globular C1q domain. The encoded protein associates with elastic fibers at the interface between elastin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

References

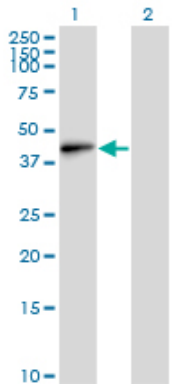
Association study of the elastin microfibril interfacer 1 (EMILIN1) gene in essential hypertension. Shimodaira

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

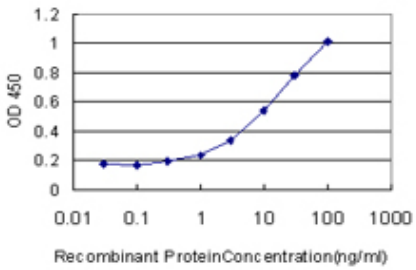


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (63.91 KDa) .



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'.