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EMD Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant EMD.
Catalog # AT1898a

Product Information

Application	WB, IHC, IF, E
Primary Accession	P50402
Other Accession	BC000738
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	3B9
Calculated MW	28994

Additional Information

Gene ID	2010
Other Names	Emerin, EMD, EDMD, STA
Target/Specificity	EMD (AAH00738, 1 a.a. ~ 110 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 IF~~1:50~200 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	EMD Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

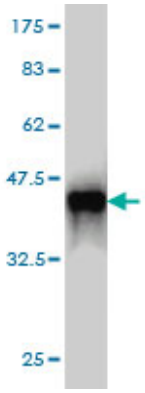
Emerin is a serine-rich nuclear membrane protein and a member of the nuclear lamina-associated protein family. It mediates membrane anchorage to the cytoskeleton. Dreifuss-Emery muscular dystrophy is an X-linked inherited degenerative myopathy resulting from mutation in the emerin gene.

References

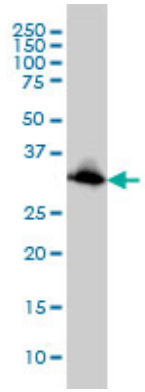
Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.A novel custom resequencing array for dilated cardiomyopathy. Zimmerman RS, et al. Genet Med, 2010 May. PMID 20474083.Emery-Dreifuss dystrophy: a 4-year follow-up

on a laminopathy of special interest. Hausmanowa-Petrusewicz I, et al. Neurol Neurochir Pol, 2009 Sep-Oct. PMID 20054742.Gene-centric association signals for lipids and apolipoproteins identified via the HumanCVD BeadChip. Talmud PJ, et al. Am J Hum Genet, 2009 Nov. PMID 19913121.Tyrosine phosphorylation of nuclear-membrane protein emerin by Src, Abl and other kinases. Tifft KE, et al. J Cell Sci, 2009 Oct 15. PMID 19789182.

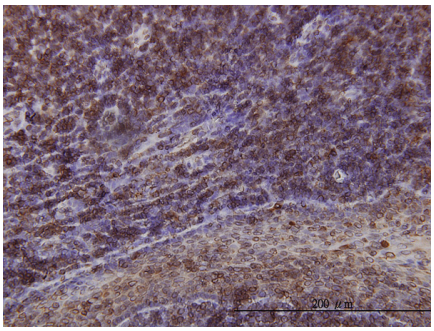
Images



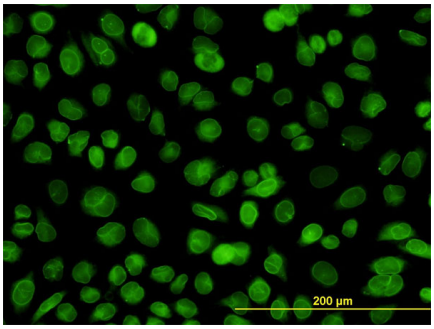
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.84 KDa) .



EMD monoclonal antibody (M01), clone 3B9 Western Blot analysis of EMD expression in HeLa ((Cat # AT1898a)

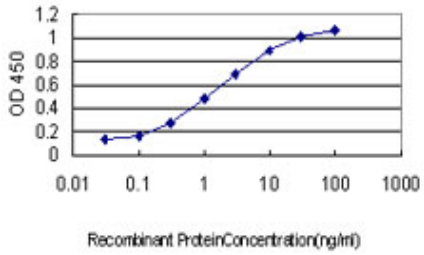


Immunoperoxidase of monoclonal antibody to EMD on formalin-fixed paraffin-embedded human tonsil. [antibody concentration 1 ug/ml]



Immunofluorescence of monoclonal antibody to EMD on HeLa cell. [antibody concentration 10 ug/ml]

Detection limit for recombinant GST tagged EMD is approximately 0.03ng/ml as a capture antibody.



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