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Product datasheet for TA355294

Emerin (EMD) Mouse Monoclonal Antibody [Clone ID: 4G5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	4G5
Applications:	IHC
Recommended Dilution:	1:160
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Prokaryotic recombinant protein corresponding to a 222 amino acid region near the N-terminus of the emerin protein
Specificity:	Human emerin protein
Formulation:	Lyophilized tissue culture supernatant containing sodium azide as a preservative.
Reconstitution Method:	The user is required to reconstitute the contents of the vial with the correct volume of sterile distilled water as indicated on the vial label
Conjugation:	Unconjugated
Storage:	Store at 2-8°C
Stability:	12 months
Gene Name:	emerin
Database Link:	Entrez Gene 2010 Human P50402
Background:	Emery-Dreifuss muscular dystrophy (EDMD) is a late onset, X-linked, recessive disorder characterized by slowly progressing contractures, wasting of skeletal muscle and cardiomyopathy usually presented as heart block. Contractures are seen in the elbows, Achilles tendons and post cervical muscles with humero-peroneal distribution early in the course of the disease. The STA gene, at Xq28 locus, encodes a serine-rich 34kD protein, emerin, which is ubiquitous in tissues and is found in highest concentration in skeletal and cardiac muscle. Emerin is localized in the nuclear membrane of normal muscle cells and its deficiency plays a crucial part in the pathology of EDMD.

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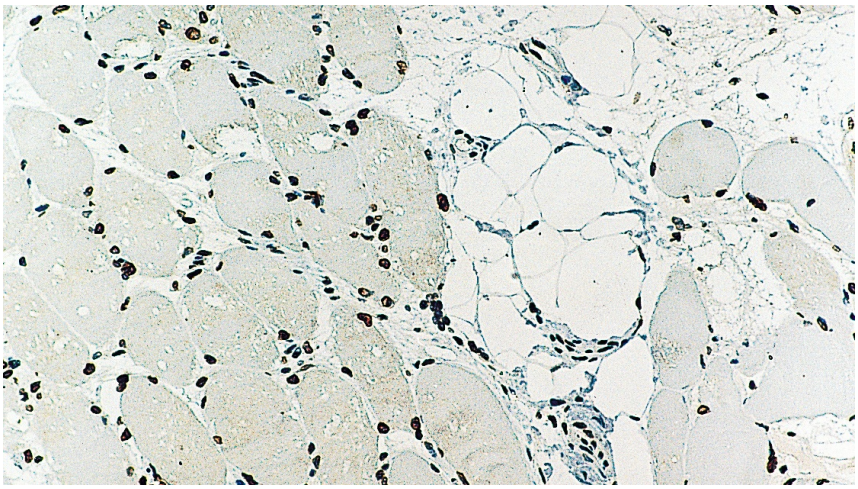
Synonyms: EDMD; emerin; LEMD5; STA

Product images:



Human skeletal muscle: immunohistochemical staining for Emerin. Note perinuclear staining of all cell nuclei. Emerin: clone 4G5