

Rabbit Emerin Polyclonal Antibody | anti-EMD antibody

Anti-Emerin Antibody

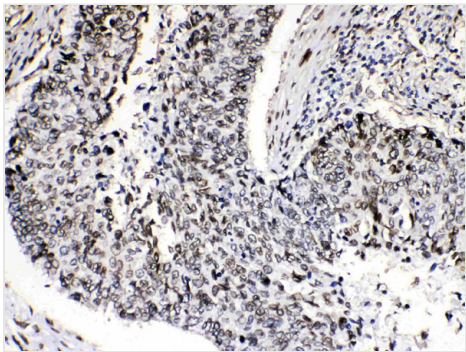
CATALOG # AAA46724	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

Emerin; Polyclonal Antibody; Anti-Emerin Antibody; EDMD; Emd; LEMD5; STA; P50402; anti-EMD antibody

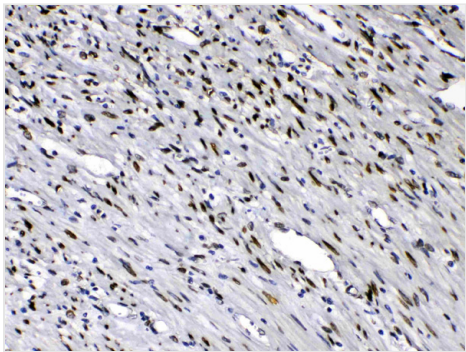
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	254
Applicable Applications for anti-EMD antibody	IHC (Immunohistochemistry), WB (Western Blot)
Notes	Tested Species: In-house tested species with positive results. By Heat: Boiling the paraffin sections in 10mM citrate buffer, pH6.0, for 20mins is required for the staining of formalin/paraffin sections. Other applications have not been tested.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human Emerin (1-48aa MDNYADLSDELTTLLRRYNIPHGPPVVGSTRRLYEKKIFEYETQRRRL), different from the related mouse sequence by eight amino acids, and from the related rat sequence by nine amino acids.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



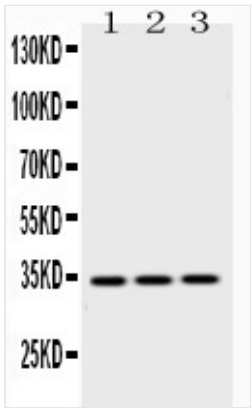
IHC (Immunohistochemisry)

Emerin was detected in paraffin-embedded sections of human lung cancer tissues using rabbit anti- Emerin Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



IHC (Immunohiostchemistry)

Emerin was detected in paraffin-embedded sections of human intetsinal cancer tissues using rabbit anti- Emerin Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



WB (Western Blot)

Western blot analysis of Emerin expression in rat skeletal muscle extract (lane 1), mouse cardiac muscle extract (lane 2) and HELA whole cell lysates (lane 3). Emerin at 34KD was detected using rabbit anti- Emerin Antigen Affinity purified polyclonal antibody at 0.5ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-EMD antibody	Rabbit IgG polyclonal antibody for Emerin(EMD) detection. Background: Emerin is a serine-rich nuclear membrane protein that in humans is encoded by the EMD gene. And this gene is mapped to Xq28. Emerin is a member of the nuclear lamina-associated protein family. It mediates membrane anchorage to the cytoskeleton. Emery-Dreifuss muscular dystrophy is an X-linked inherited degenerative myopathy resulting from mutation in the EMD (also known clinically as STA) gene. Emerin appears to be involved in mechanotransduction, as emerin-deficient mouse fibroblasts failed to transduce normal mechanosensitive gene expression responses to strain stimuli. In cardiac muscle, emerin is also found complexed to beta-catenin at adherens junctions of intercalated discs, and cardiomyocytes from hearts lacking emerin showed beta-catenin redistribution as well as perturbed intercalated disc architecture and myocyte shape. This interaction appears to be regulated by glycogen synthase kinase 3 beta.
References	1. "Entrez Gene: EMD emerin (Emery-Dreifuss muscular dystrophy)". 2. Lammerding, J; Hsiao, J; Schulze, PC; Kozlov, S; Stewart, CL; Lee, RT (29 August 2005). "Abnormal nuclear shape and impaired mechanotransduction in emerin-deficient cells.". The Journal of Cell Biology. 170 (5): 781-91. 3. Nagano A, Koga R, Ogawa M, Kurano Y, Kawada J, Okada R, Hayashi YK, Tsukahara T, Arahata K (Mar 1996). "Emerin deficiency at the nuclear membrane in patients with Emery-Dreifuss muscular dystrophy". Nature Genetics. 12 (3): 254-9.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557553
NCBI GeneID	2010

NCBI Accession #	NP_000108.1
NCBI GenBank Nucleotide #	NM_000117.2
UniProt Accession #	P50402; Q6FI02
Molecular Weight	28,994 Da
NCBI Official Full Name	emerin
NCBI Official Synonym Full Names	emerin
NCBI Official Symbol	EMD
NCBI Official Synonym Symbols	STA; EDMD; LEMD5
NCBI Protein Information	emerin
UniProt Protein Name	Emerin
UniProt Gene Name	EMD
UniProt Synonym Gene Names	EDMD; STA

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/emerin-antibody-immunohistochemistry-western-blot-elisa/46724>