

**Anti-EMD / Emerin Antibody (N-Terminus)**  
**Rabbit Anti Human Polyclonal Antibody**  
**Catalog # ALS17986****Specification**

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**Anti-EMD / Emerin Antibody (N-Terminus) - Product Information**

Application	WB, IHC-P, FC
Primary Accession	<a href="#">P50402</a>
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	28994

**Anti-EMD / Emerin Antibody (N-Terminus) - Additional Information****Gene ID 2010**

Alias Symbol	EMD
<b>Other Names</b>	
EMD, EDMD, Emerin, LEM domain containing 5, LEMD5, STA	

**Reconstitution & Storage**  
Ammonium sulfate precipitation**Precautions**

Anti-EMD / Emerin Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

**Anti-EMD / Emerin Antibody (N-Terminus) - Protein Information****Name** EMD**Synonyms** EDMD, STA**Function**

Stabilizes and promotes the formation of a nuclear actin cortical network. Stimulates actin polymerization in vitro by binding and stabilizing the pointed end of growing filaments. Inhibits beta- catenin activity by preventing its accumulation in the nucleus. Acts by influencing the nuclear accumulation of beta-catenin through a CRM1- dependent export pathway. Links centrosomes to the nuclear envelope via a microtubule association. Required for proper localization of non- farnesylated prelamin-A/C. Together with NEMP1, contributes to nuclear envelope stiffness in germ cells (PubMed:<a href="http://www.uniprot.org/citations/32923640" target="\_blank">32923640</a>). EMD and BAF are cooperative cofactors of HIV-1 infection. Association of EMD with the viral DNA requires the presence of BAF and viral integrase. The association of viral DNA with chromatin requires the presence of BAF and EMD.

**Cellular Location**

Nucleus inner membrane; Single-pass membrane protein; Nucleoplasmic side. Nucleus outer

membrane. Note=Colocalized with BANF1 at the central region of the assembling nuclear rim, near spindle-attachment sites. The accumulation of different intermediates of prelamin-A/C (non-farnesylated or carboxymethylated farnesylated prelamin-A/C) in fibroblasts modify its localization in the nucleus

**Tissue Location**

Skeletal muscle, heart, colon, testis, ovary and pancreas

**Anti-EMD / Emerin Antibody (N-Terminus) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-EMD / Emerin Antibody (N-Terminus) - Images**