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Anti-Emerin Rabbit Monoclonal Antibody

Catalog # ABO14458

Product Information

Application	WB, IHC, IF, ICC
Primary Accession	P50402
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-Emerin Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human, Mouse, Rat.

Additional Information

Gene ID	2010
Other Names	Emerin, EMD, EDMD, STA
Calculated MW	28994
Application Details	WB 1:500-1:2000 IHC 1:50-1:200 ICC/IF 1:50-1:200
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: ACGA-5
Immunogen	A synthesized peptide derived from human Emerin
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

Name	EMD (HGNC:3331)
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 (PubMed:15328537). 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 (PubMed:16858403). Links centrosomes to the nuclear envelope via a microtubule association (PubMed:17785515). Required for proper localization of non-farnesylated prelamin-A/C (PubMed:19323649). Together with NEMP1, contributes to nuclear envelope stiffness in germ cells (PubMed:32923640). 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.

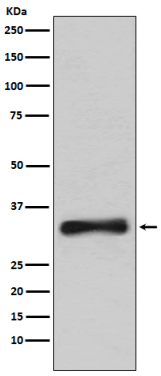
Cellular Location

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

Images



Western blot analysis of Emerin expression in 293T cell lysate.

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