

EMD

Reactivity:Human Mouse Rat

Tested applications:WB IHC IF

Recommended Dilution:WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:20 - 1:100

Calculated MW:29kDa

Observed MW:Refer to Figures

Immunogen:

Recombinant protein of human EMD

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

EMD;EDMD;LEMD5;STA ;

Catalog #:A1132

Antibody Type:

Polyclonal Antibody

Species:Rabbit

Gene ID:2010

Isotype:IgG

Swiss Prot:P50402

Purity:Affinity purification

For research use only.

Background:

Emerin is a broadly expressed integral protein of the nuclear inner membrane (1). It contains a LEM domain and binds to several nuclear proteins, such as BAF (barrier-to-autointegration factor) and A- and B-type lamins, which are important in nuclear functions (2-5). Emerin may regulate gene expression through binding to other transcriptional regulators (6,7). Emerin binds to -catenin and inhibits its nuclear accumulation (8). Recent studies demonstrate that Emerin is required for HIV-1 infectivity (9). Mutations in Emerin are a major cause of Emery-Dreifuss muscular dystrophy (EDMD), a disorder characterized by progressive skeletal muscle weakening (10).

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