

EMD

Reactivity: Human

Tested applications: WB FC

Recommended Dilution: WB 1:500 - 1:2000 FC 1:20 - 1:50

Calculated MW: 29kDa

Observed MW: Refer to Figures

Immunogen:

A synthetic peptide of human EMD

Storage Buffer:

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

EMD;EDMD;LEMD5;STA

Catalog #: A0116

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 2010

Isotype: IgG

Swiss Prot: P50402

Purity: Affinity purification

For research use only.

Background:

EMD 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). EMD may regulate gene expression through binding to other transcriptional regulators (6,7). EMD binds to -catenin and inhibits its nuclear accumulation (8). Recent studies demonstrate that EMD is required for HIV-1 infectivity (9). Mutations in EMD are a major cause of Emery-Dreifuss muscular dystrophy (EDMD), a disorder characterized by progressive skeletal muscle weakening (10).

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