

EMD Antibody

Catalog No: #32172



Package Size: #32172-1 50ul #32172-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

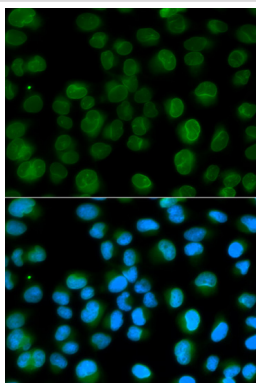
Description

Product Name	EMD Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IHC,IF
Species Reactivity	Human;Mouse
Specificity	The antibody detects endogenous level of total EMD protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human EMD.
Conjugates	Unconjugated
Target Name	EMD
Other Names	EMD; EDMD; LEMD5; STA;
Accession No.	Swiss-Prot:P50402NCBI Gene ID:2010
SDS-PAGE MW	29KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

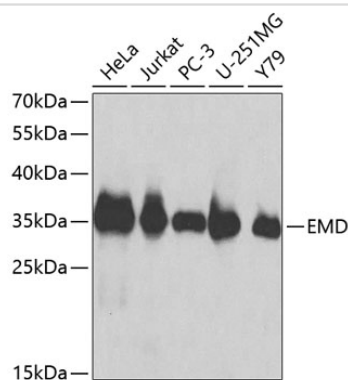
Application Details

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

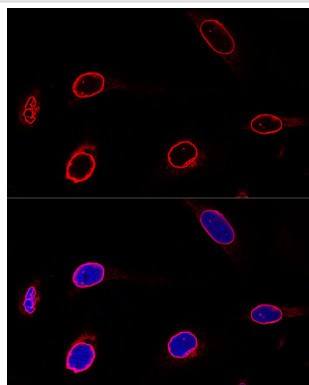
Images



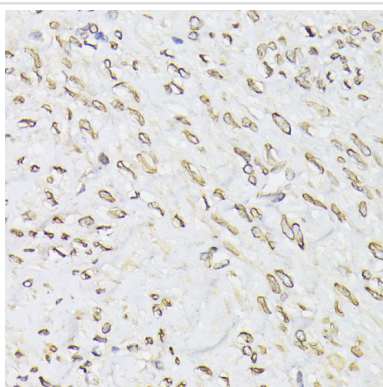
Immunofluorescence analysis of HeLa cells using EMD antibody. Blue: DAPI for nuclear staining.



Western blot analysis of extracts of various cell lines, using EMD antibody at 1:1000 dilution.



Confocal immunofluorescence analysis of U-2 OS cells using EMD Polyclonal antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunohistochemistry of paraffin-embedded human uterus using EMD antibody at dilution of 1:100 (40x lens).

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 β -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).

Published Papers

el at., Portulaca oleracea L. extract reduces hyperglycemia via PI3k/Akt and AMPK pathways in the skeletal muscles of C57BL/Ksj-db/db mice. In J Ethnopharmacol on 2020 Oct 5 by Ji Hyun Lee, Jae Eun Park,et al..PMID:32416244, , (2020)

[PMID:32416244](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.