Product Datasheet

EMD Antibody

Catalog No: #32172

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

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

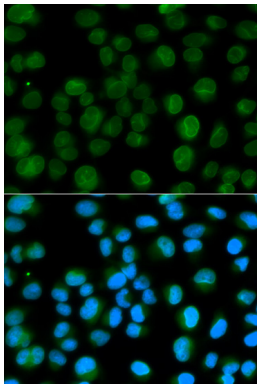
Description

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.
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

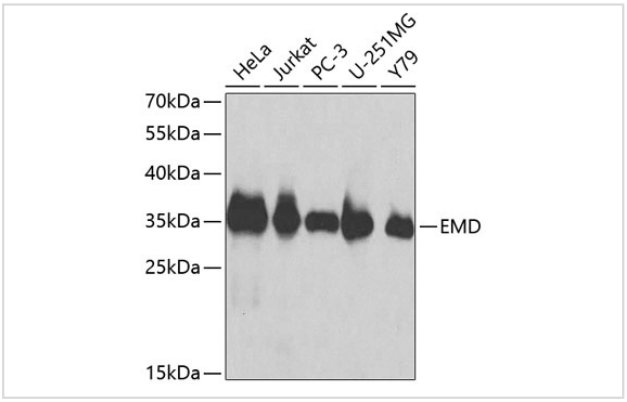
Application Details

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

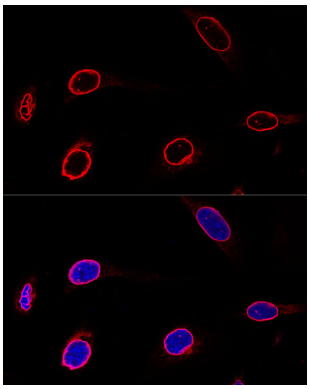
Images



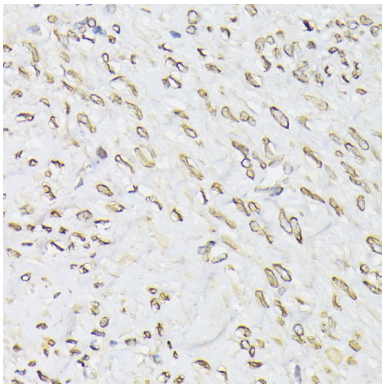
Immunofluorescence analysis of HeLa cells using EMD antibody. Blue: DAPI for nuclear staining.



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.