

# Emerin Recombinant antibody

Catalog Number: 82888-1-RR

## Basic Information

<b>Catalog Number:</b> 82888-1-RR	<b>GenBank Accession Number:</b> BC000738	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 2010	<b>CloneNo.:</b> 230089B1
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P50402	<b>Recommended Dilutions:</b> IHC 1:500-1:2000 IF/ICC 1:500-1:2000
<b>Isotype:</b> IgG	<b>Full Name:</b> emerin	
<b>Immunogen Catalog Number:</b> AG0236	<b>Calculated MW:</b> 34 kDa	

## Applications

<b>Tested Applications:</b> IHC, IF/ICC, FC (Intra), ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	<b>IHC :</b> human stomach cancer tissue, <b>IF/ICC :</b> HeLa cells,
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

Emerin (Emery-Dreifuss muscular dystrophy) (EMD or EDMD), a serine-rich nuclear membrane protein, is a member of the nuclear lamina-associated protein family. EMD may mediate membrane anchorage to the cytoskeleton by stabilizing and promoting the formation of a nuclear actin cortical network. Defects in EMD gene are the cause of Emery-Dreifuss muscular dystrophy type 1 (EDMD1), a degenerative myopathy characterized by weakness and atrophy of muscle without involvement of the nervous system, early contractures of the elbows Achilles tendons and spine, and cardiomyopathy associated with cardiac conduction defects. EMD inhibits beta-catenin activity by preventing its accumulation in the nucleus and is involved in HIV-1 infection.

## Storage

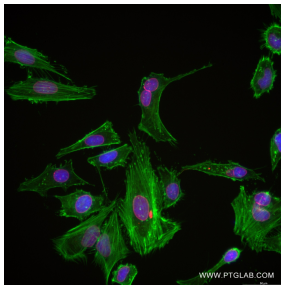
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

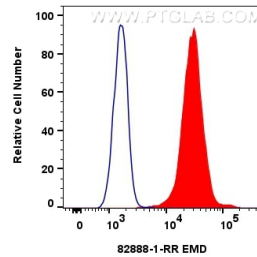
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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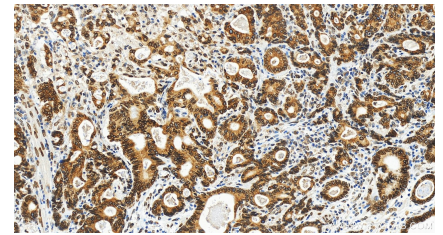
## Selected Validation Data



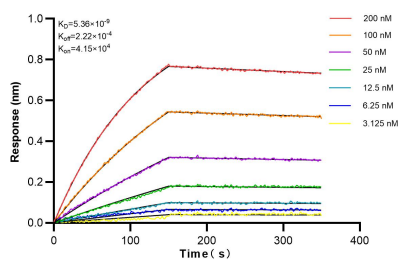
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using Emerin antibody (82888-1-RR, Clone: 230089B1) at dilution of 1:1000 and Multi-rAb CoraLite® Plus 594-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM004). (CL488-Phalloidin, green).



$1 \times 10^6$  HeLa cells were intracellularly stained with 0.25  $\mu$ g Emerin Recombinant antibody (82888-1-RR, Clone: 230089B1) and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.25  $\mu$ g Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 82888-1-RR (Emerin antibody) at dilution of 1:1000 (under 20 $\times$  lens). Heat mediated antigen retrieval with Tris-EDTA buffer(pH9).



Biolayer interferometry (BLI) kinetic assays of 82888-1-RR against Human Emerin were performed. The affinity constant is 5.36 nM.