

For Research Use Only

CoraLite® Plus 488-conjugated Emerin Polyclonal antibody

Catalog Number: CL488-10351

Featured Product



Basic Information

Catalog Number:

CL488-10351

Size:

100ul, Concentration: 1000 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0236

GenBank Accession Number:

BC000738

GeneID (NCBI):

2010

UNIPROT ID:

P50402

Full Name:

emerin

Calculated MW:

34 kDa

Observed MW:

35 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human, mouse

Positive Controls:

IF/ICC : HeLa cells,

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. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

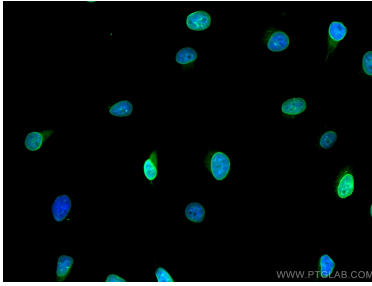
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

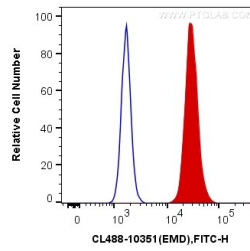
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite® Plus 488 Emerin antibody (CL488-10351) at dilution of 1:100.



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human Emerin (CL488-10351) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).