
Product Name: KD-Validated Emerin Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01093**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 29.0kDa

Antigen Information

Gene Name	EMD
Alternative Names	EMD; Emerin; STA; LEMD5; LEM Domain Containing 5; EDMD; Emery-Dreifuss Muscular Dystrophy
Gene ID	2010.0
SwissProt ID	P50402
Immunogen	A synthesized peptide derived from human Emerin

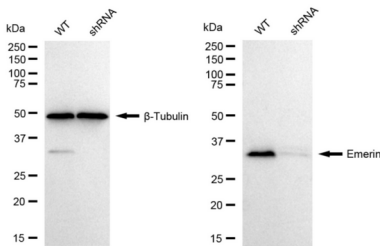
Background

Emerin is a serine-rich nuclear membrane protein and a member of the nuclear lamina-associated protein family. It mediates membrane anchorage to the cytoskeleton. Dreifuss-Emery muscular dystrophy is an X-linked inherited degenerative myopathy resulting from mutation in the emerin gene. [provided by RefSeq, Jul 2008]

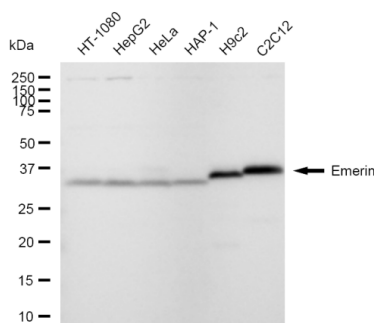
Research Area

Signal Transduction

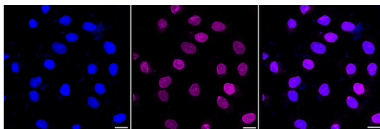
Image Data



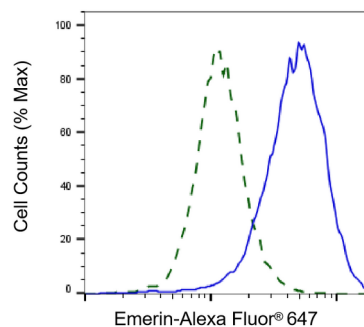
Western blotting analysis using Emerin antibody (KVA01093). Emerin expression in wild type (WT) and Emerin shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with Emerin antibody (KVA01093, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



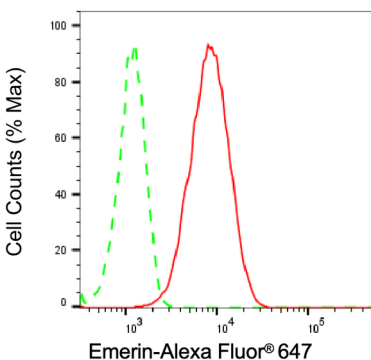
Western blotting analysis using Emerin antibody (KVA01093). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Emerin antibody (KVA01093, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of H9C2 cells with Emerin antibody (KVA01093, 1:1,000). Nuclei were stained blue with DAPI; Emerin was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Validation of Emerin knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with Emerin antibody (KVA01093, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of Emerin expression in HepG2 cells using Emerin antibody (KVA01093, 1:2,000). Green, isotype control; red, Emerin.

