# EMD rabbit pAb

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| **Catalog No** | YP-Ab-08742 |
| **Isotype** | IgG |
| **Reactivity** | Human; Mouse;Rat |
| **Applications** | WB |
| **Gene Name** | EMD EDMD STA |
| **Protein Name** | EMD |
| **Immunogen** | Synthesized peptide derived from human EMD AA range: 151-201 |
| **Specificity** | This antibody detects endogenous levels of EMD at Human/Mouse/Rat |
| **Formulation** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| **Source** | Polyclonal, Rabbit,IgG |
| **Purification** | The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen. |
| **Dilution** | WB 1：500-2000 |
| **Concentration** | 1 mg/ml |
| **Purity** | ≥90% |
| **Storage Stability** | -20°C/1 year |
| **Synonyms** | |
| **Observed Band** | |
| **Cell Pathway** | Nucleus inner membrane ; Single-pass membrane protein; Nucleoplasmic side . Nucleus outer membrane. Colocalized with BANF1 at the central region of the assembling nuclear rim, near spindle-attachment sites. The accumulation of different intermediates of prelamin-A/C (non-farnesylated or carboxymethylated farnesylated prelamin-A/C) in fibroblasts modify its localization in the nucleus. |
| **Tissue Specificity** | Skeletal muscle, heart, colon, testis, ovary and pancreas. |
| **Function** | disease:Defects in EMD are a cause of X-linked Emery-Dreifuss muscular dystrophy (X-EDMD) [MIM:310300]. X-EDMD is an X-linked disorder characterized by early contractures, muscle wasting and weakness and cardiomyopathy.,miscellaneous:Binding to BCLAF1 is specifically and selectively disrupted by the disease-associated Phe-54 missense mutation.,online information:"EMD mutation database",PTM:Found in four different phosphorylated forms, three of which appear to be associated with the cell cycle.,similarity:Contains 1 LEM domain.,subcellular location:Colocalized with BANF1 at the central region of the assembling nuclear rim, near spindle-attachment sites.,subunit:Interacts with lamins A and C, BANF1, GMCL, BCLAF1 and YTHDC1/YT521. Interacts with TMEM43; the interaction retains emerin in the nuclear inner membrane.,tissue specificity:Skeletal muscle, heart, colon, testis, ovary and pancreas. |

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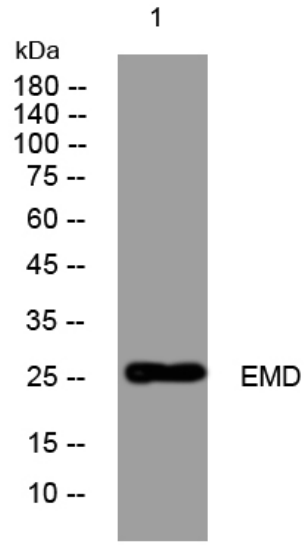
| **Background** | Emerin is a serine-rich nuclear membrane protein and a member of the nuclear lamina-associated protein family. It mediates membrane anchorage to the cytoskeleton. Dreifuss-Emery muscular dystrophy is an X-linked inherited degenerative myopathy resulting from mutation in the emerin gene. [provided by RefSeq, Jul 2008], |
| **matters needing attention** | Avoid repeated freezing and thawing! |
| **Usage suggestions** | This product can be used in immunological reaction related experiments. For more information, please consult technical personnel. |

## Products Images




Western blot analysis of lysates from Hela cells, primary antibody was diluted at 1:1000, 4°over night