



## EMD rabbit pAb

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| Catalog No         | BYab-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 |

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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.

#### 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],

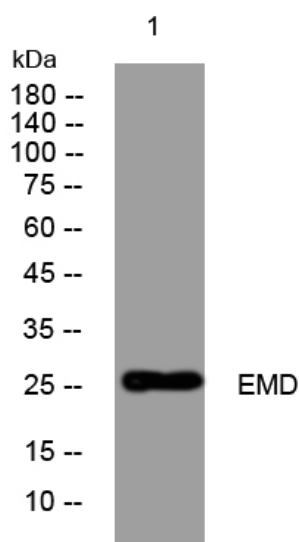
#### matters needing attention

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