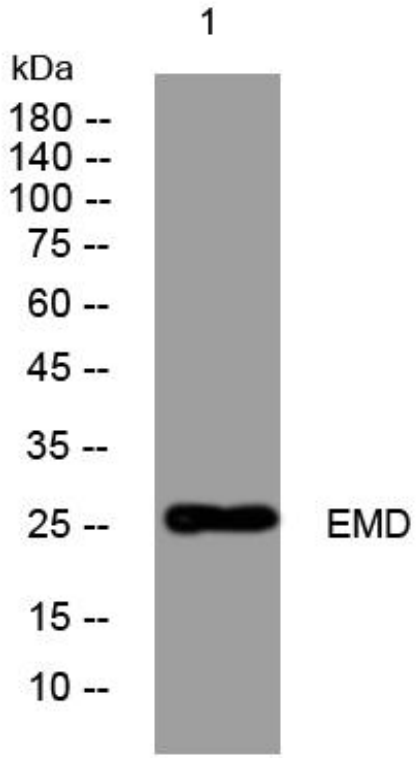
EMD mouse mAb

Catalog No	BYmab-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	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-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.
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 various cells using EMD mouse mAb