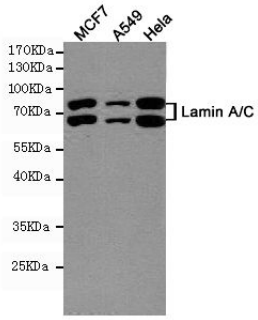
LaminA/C

Mouse monoclonal Antibody

#53619

Catalog Number: 53619
Amount: 100μg/100μl
Swiss-Prot No. :P02545
Gene name:lmna
Gene id:4000
Clone Number： 5D12-C6-E9
Form of Antibody: Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50%,glycerol
Storage/Stability: Store at -20℃/1 year
Immunogen: Purified recombinant human LaminA/C protein fragments expressed in E.coli
Purification: affinity-chromatography
Specificity/Sensitivity: This antibody detects endogenous levels of LaminA/C and does not corss-react with related proteins
Reactivity: Human,
Applications: Predicted MW: 74/63kd WB: 1:1000



Western blot detection of Lamin A/C in MCF7,A549 and Hela cell lysates using Lamin A/C mouse mAb (1:1000diluted).Predicted band size:74,63KDa.Observed band size:74,63KDa.

Background:.

The nuclear lamina consists of a two-dimensional matrix of proteins located next to the inner nuclear membrane.The lamin family of proteins make up the matrix and are highly conserved in evolution. During mitosis, the lamina matrix is reversibly disassembled as the lamin proteins are phosphorylated. Lamin proteins are thought to be involved in nuclear stability, chromatin structure and gene expression. Vertebrate lamins consist of two types, A and B.Alternative splicing results in multiple transcript variants. Mutations in this gene lead to several diseases:Emery-Dreifuss muscular dystrophy, familial partial lipodystrophy, limb girdle muscular dystrophy, dilated cardiomyopathy, Charcot-Marie-Tooth disease, and Hutchinson-Gilford progeria syndrome.