Mouse Lamin A and C Monoclonal Antibody | anti-lmna antibody

Mouse anti Lamin A and C

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA77495	**Mouse**	**Bovine, Canine, Hamster, Human, Mouse, Rat, Sheep**	**Western Blot, Immunohistochemistry, Immunocytochemistry, Flow Cytometry, Functional Assay**

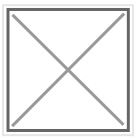
PRODUCT SYNONYMS

Lamin A and C; Monoclonal Antibody; Mouse anti Lamin A and C; anti-lmna antibody

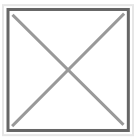
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Bovine, Canine, Hamster, Human, Mouse, Rat, Sheep
Clonality	Monoclonal
Isotype	IgG1
Clone Number	131C3
Specificity	131C3 reacts with an epitope loCated between residues 319-566 in lamin A and C.
Form/Format	Each vial contains 100 ul 1 mg/ml purified monoclonal antibody in PBS containing 0.09% sodium azide.
Applicable Applications for anti-lmna antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry)
Source Note	131C3 is a Mouse monoclonal IgG1/k antibody derived by fusion of P3/X63.Ag8.653 Mouse myeloma cells with spleen cells from a BALB/c Mouse immunized with purified Rat liver lamins.
Preparation and Storage	Store at 4 degree C, or in small aliquots at -20 degree C.

IMAGES



IHC (Immunohistochemistry)
Figure 4. Immunohistochemistry on frozen tissue section of human skin showing nuclear lamina staining in epithelial and connective tissue cells.



IB (Immunoblot)
Figure 3. Immunoblotting result (131C3) recognizing nuclear lamins A and C in human fibroblasts.



IHC (Immunohiostchemistry)
Figure 2. Immunohistochemistry (131C3) on frozen sections of human colon showing strong positive staining in nuclei of the epithelial cells and to a lesser extent in the connective tissue.



IHC (Immunohistochemistry)
Figure 1. Immunohistochemistry on frozen sections of swine skin showing strong positive staining in nuclei of the epidermal cells and to a lesser extent in the connective tissue. Dilution 1:500.

ADDITIONAL INFORMATION

Related Product Information for anti-Imna antibody	Nuclear lamins form a network of intermediate-type filaments at the nucleoplasmic site of the nuclear membrane. Two main subtypes of nuclear lamins can be distinguished, i.e. A-type lamins and B-type lamins. The A-type lamins comprise a set of three proteins arising from the same gene by alternative splicing, i.e. lamin A, lamin C and lamin Adel 10, while the B-type lamins include two proteins arising from two distinct genes, i.e. lamin B1 and lamin B2. Recent evidence has revealed that mutations in A-type lamins give rise to a range of rare but dominant genetic disorders, including Emery-Dreifuss muscular dystrophy, dilated cardiomyopathy with conduction-system disease and Dunnigan-type familial partial lipodystrophy. In addition, the expression of A-type lamins coincides with cell differentiation and as A-type lamins specifically interact with chromatin, a role in the regulation of differential gene expression has been suggested for A-type lamins.
Product Categories/Family for anti-Imna antibody	Nuclear proteins; Cytoskeleton
References	Pugh, G. E., Coates, P. J., Lane, E. B., Raymond, Y., and Quinlan, R. A. (1997). Distinct nuclear assembly pathways for lamins A and C lead to their increase during quiescence in Swiss 3T3 cells, J Cell Sci 110, 2483-93. Neri, L. M., Raymond, Y., Giordano, A., Borgatti, P., Marchisio, M., Capitani, S., and Martelli, A. M. (1999). Spatial distribution of lamin A and B1 in the K562 cell nuclear matrix stabilized with metal ions, J Cell Biochem 75, 36-45. Neri, L. M., Raymond, Y., Giordano, A., Capitani, S., and Martelli, A. M. (1999). Lamin A is part of the internal nucleoskeleton of Human erythroleukemia cells, J Cell Physiol 178, 284-95.

NCBI AND UNIPROT INFORMATION

NCBI GI #	156119433
NCBI GeneID	373673
NCBI Accession #	NP_001095210.1
NCBI GenBank Nucleotide #	NM_001101740.1
UniProt Accession #	P11048; AAB23219
Molecular Weight	74,919 Da
NCBI Official Full Name	lamin-A
NCBI Official Synonym Full Names	lamin A/C<
NCBI Official Symbol	lmna
NCBI Official Synonym Symbols	lmna-A
NCBI Protein Information	lamin-A
UniProt Protein Name	Lamin-A
UniProt Gene Name	**lmna**
UniProt Entry Name	LMNA_XENLA

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/lamin-a-and-c-antibody-clone-131c3-western-blot-immunohistochemistry-immunocytochemistry-flow-cytometry-elisa/77495