

Mouse Lamin B2 Monoclonal Antibody | anti-LMNB2 antibody

Mouse anti Lamin B2

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA77480	Mouse	Hamster, Human, Mouse, Swine, Xenopus, Zebrafish	Western Blot, Immunohistochemistry, Flow Cytometry, Functional Assay

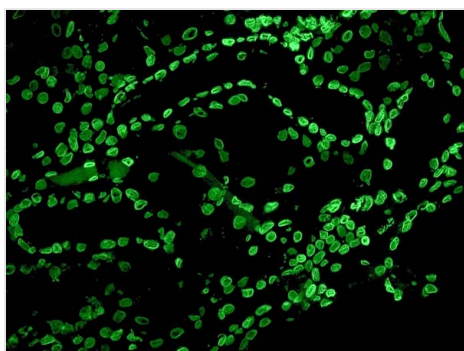
PRODUCT SYNONYMS

Lamin B2; Monoclonal Antibody; Mouse anti Lamin B2; anti-LMNB2 antibody

PRODUCT SPECIFICATIONS

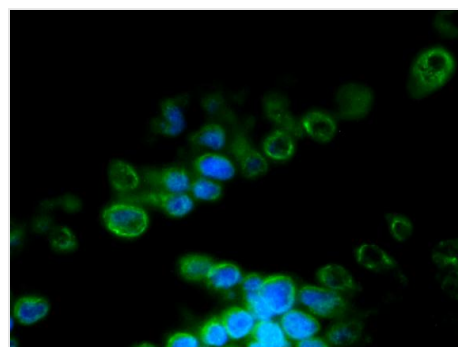
Host	Mouse
Reactivity	Hamster, Human, Mouse, Swine, Xenopus, Zebrafish
Clonality	Monoclonal
Isotype	IgG1
Clone Number	LN43
Specificity	LN43 reacts with an epitope located in the C-terminal part of lamin B2.
Form/Format	Each vial contains 100 ul 1 mg/ml purified monoclonal antibody in PBS containing 0.09% sodium azide.
Applicable Applications for anti-LMNB2 antibody	WB (Western Blot), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Source Note	LN43 is a Mouse monoclonal IgG1 antibody derived by fusion of Mouse myeloma cells with spleen cells from a Mouse immunized with the detergent insoluble fraction of potoroo cell line PtK1.
Preparation and Storage	Store at 4 degree C, or in small aliquots at -20 degree C.

IMAGES



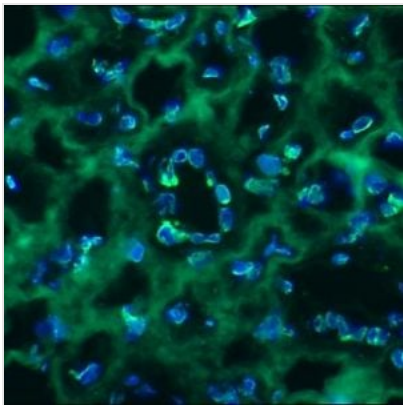
IHC (Immunohistochemistry)

Figure 3. immunohistochemistry on a frozen section of human kidney showing nuclear lamina staining in the ductal epithelium.



IF (Immunofluorescence)

Figure 2. immunofluorescence staining of a 9 days old zebrafish embryo.



IHC (Immunohistochemistry)

Figure 1. immunohistochemistry on frozen sections of human kidney showing nuclear lamina staining in the ductal epithelium.

ADDITIONAL INFORMATION

Related Product Information for anti-LMNB2 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 A/B, while the B-type lamins include two proteins arising from two distinct genes, ie lamin B1 and lamin B2.
Product Categories/Family for anti-LMNB2 antibody	Nuclear proteins; Cytoskeleton
References	Bridger, J. M., Kill, I. R., O'Farrell, M., and Hutchison, C. J. (1993). Internal lamin structures within G1 nuclei of Human dermal fibroblasts, J Cell Sci 104, 297-306. Jenkins, H., Hölmán, T., Lyon, C., Lane, B., Stick, R., and Hutchison, C. J. (1993). Nuclei that lack a lamina accumulate karyophilic proteins and assemble a nuclear matrix, J Cell Sci 106, 275-285. Hozak, P., Sasseville, A. M., Raymond, Y., and Cook, P. R. (1995). Lamin proteins form an internal nucleoskeleton as well as a peripheral lamina in Human cells, J Cell Sci 108, 635-44. Machiels, B. M., Broers, J. L., Raymond, Y., de Ley, L., Kuijpers, H. J., Caberg, N. E., and Ramaekers, F. C. (1995). Abnormal A-type lamin organization in a Human lung carcinoma cell line, Eur J Cell Biol 67, 328-35. Machiels, B. M., Zorenc, A. H., Endert, J. M., Kuijpers, H. J., van Eys, G. J., Ramaekers, F. C., and Broers, J. L. (1996). An alternative splicing product of the lamin A/C gene lacks exon 10, J Biol Chem 271, 9249-53. Machiels, B. M., Ramaekers, F. C., Kuijpers, H. J., Groenewoud, J. S., Oosterhuis, J. W., and Looijenga, L. H. (1997). Nuclear lamin expression in normal testis and testicular germ cell tumours of adolescents and adults, J Pathol 182, 197-204. Jansen, M. P., Machiels, B. M., Hopman, A. H., Broers, J. L., Bot, F. J., Arends, J. W., Ramaekers, F. C., and Schouten, H. C. (1997). Comparison of A and B-type lamin expression in reactive lymph nodes and nodular sclerosing Hodgkin's disease, Histopathology 31, 304-12. Broers, J. L., Machiels, B. M., Kuijpers, H. J., Smedts, F., van den Kieboom, R., Raymond, Y., and Ramaekers, F. C. (1997). A- and B-type lamins are differentially expressed in normal Human tissues, Histochem Cell Biol 107, 505-17.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1054874
NCBI GeneID	84823
UniProt Accession #	Q03252; O75292; Q14734; Q96DF6
Molecular Weight	67,689 Da
NCBI Official Full Name	lamin B2
NCBI Official Synonym Full Names	lamin B2
NCBI Official Symbol	LMNB2
NCBI Official Synonym Symbols	LMN2; LAMB2; MGC2721
NCBI Protein Information	lamin-B2; OTTHUMP00000198023

UniProt Protein Name	Lamin-B2
UniProt Gene Name	LMNB2
UniProt Synonym Gene Names	LMN2
UniProt Entry Name	LMNB2_HUMAN

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-b2-antibody-clone-ln43-western-blot-immunohistochemistry-flow-cytometry-elisa/77480>