

Datasheet for ABIN335392
anti-Lamin B2 antibody[Go to Product page](#)

1 Image

8 Publications

Overview

Quantity:	0.1 mg
Target:	Lamin B2 (LMNB2)
Reactivity:	Human, Mouse, Xenopus laevis, Hamster
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Lamin B2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Immunogen:	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.
Clone:	LN43
Isotype:	IgG1
Specificity:	Human, mouse, hamster and Xenopus.
Purification:	Purified

Target Details

Target:	Lamin B2 (LMNB2)
Alternative Name:	Lamin B2 (LMNB2 Products)

Target Details

Background: 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_{pro}, while the B-type lamins include two proteins arising from two distinct genes, ie lamin B1 and lamin B2.

Pathways: [Apoptosis](#), [Caspase Cascade in Apoptosis](#)

Application Details

Application Notes: LN43 reacts with an epitope located in the C-terminal part of lamin B2. LN43 is suitable for immunohistochemistry on frozen sections, immunoblotting and flow cytometry. Optimal antibody dilution should be determined by titration, recommended range is 1:100 - 1:200 for flow cytometry, and for immunohistochemistry with avidin-biotinylated horseradish peroxidase complex (ABC) as detection reagent, and 1:100 - 1:1000 for immunoblotting applications.

Restrictions: For Research Use only

Handling

Storage: 4 °C

Publications

Product cited in: Broers, Machiels, Kuijpers, Smedts, van den Kieboom, Raymond, Ramaekers: "A- and B-type lamins are differentially expressed in normal human tissues." in: **Histochemistry and cell biology**, Vol. 107, Issue 6, pp. 505-17, (1997) ([PubMed](#)).

Jansen, Machiels, Hopman, Broers, Bot, Arends, Ramaekers, Schouten: "Comparison of A and B-type lamin expression in reactive lymph nodes and nodular sclerosing Hodgkin's disease." in: **Histopathology**, Vol. 31, Issue 4, pp. 304-12, (1997) ([PubMed](#)).

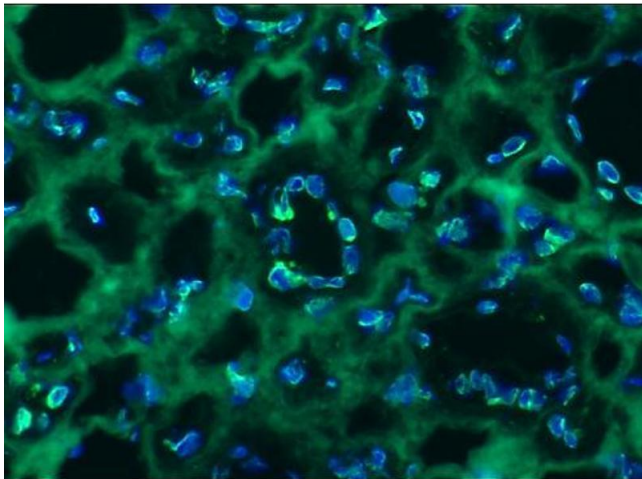
Machiels, Ramaekers, Kuijpers, Groenewoud, Oosterhuis, Looijenga: "Nuclear lamin expression in normal testis and testicular germ cell tumours of adolescents and adults." in: **The Journal of pathology**, Vol. 182, Issue 2, pp. 197-204, (1997) ([PubMed](#)).

Machiels, Zorenc, Endert, Kuijpers, van Eys, Ramaekers, Broers: "An alternative splicing product of the lamin A/C gene lacks exon 10." in: **The Journal of biological chemistry**, Vol. 271, Issue 16, pp. 9249-53, (1996) ([PubMed](#)).

Machiels, Broers, Raymond, de Ley, Kuijpers, Caberg, Ramaekers: "Abnormal A-type lamin organization in a human lung carcinoma cell line." in: **European journal of cell biology**, Vol. 67, Issue 4, pp. 328-35, (1996) ([PubMed](#)).

There are more publications referencing this product on: [Product page](#)

Images



Immunohistochemistry (Frozen Sections)

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