

Product datasheet

anti-Lamin B mouse monoclonal, X223, lyophilized, purified

Short overview

Cat. No.	61047C
Quantity	50 µg
Concentration	50 µg/ml after reconstitution with 1 ml dist. water

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1
Clone	X223
Immunogen	Nuclear pore complex-lamina fraction of <i>Xenopus laevis</i> (XLKE-A6 cells)
Formulation	Lyophilized; reconstitute in 1 ml dist. water (final solution contains 0.09% sodium azide, 0.5% BSA in PBS buffer, pH 7.4)
UniprotID	A0A3Q1LNG7 (Bovine), P20700 (Human), P14733 (Mouse), P70615 (Rat)
Synonym	Lamin-B1, LMNB1, LMN2, LMNB
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage before reconstitution	2-8°C until indicated expiry date
Storage after reconstitution	Up to 3 months at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
Intended use	Research use only
Application	ICC/IF, IHC, WB
Reactivity	Bovine, Human, Mouse, Rat, Rat kangaroo, Trout

Applications

Immunocytochemistry (ICC)	1:10
Immunohistochemistry (IHC) - frozen	1:10
Western Blot (WB)	Assay dependent

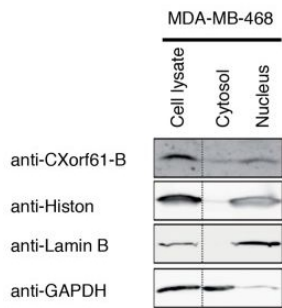
Background

The monoclonal antibody decorates the karyoskeleton, i.e. the intermediate filament equivalent of the nucleus. The epitope was localized to coil 1B (Schumacher et al. 2006). Polypeptides reacting: Lamin isotypes of Mr 60-75 kDa. Schumacher, J., Reichenzeller, M., Kempf, T., Schnoelzer, M. and Herrmann, H. Identification of a novel, highly variable amino-terminal amino acid sequence element in the nuclear intermediate filament protein lamin B2 from higher vertebrates. FEBS Lett. 580, 6211-6216 (2006).

Product images



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[Paret, C., Simon, P., et al. CXorf61 is a target for T cell based immunotherapy of triple-negative breast cancer. Oncotarget. 2015-09-22.](#) Species/Reactant: Homo sapiens (Human) Applications: Western Blotting Image collected and cropped by CiteAb from the following publication, provided under a CC-BY licence.

References

Publication	Species	Application
Paret, C. et al. CXorf61 is a target for T cell based immunotherapy of triplenegative breast cancer. Oncotarget 6, 25356â€“25367 (2015).	human	WB
Kolb, T., Maass, K., Hergt, M., Aebi, U. & Herrmann, H. Lamin A and lamin C form homodimers and coexist in higher complex forms both in the nucleoplasmic fraction and in the lamina of cultured human cells. Nucleus 2, 425-33 (2011).	human	WB
Schumacher, J., Reichenzeller, M., Kempf, T., SchnÄ¶lizer, M. & Herrmann, H. Identification of a novel, highly variable amino-terminal amino acid sequence element in the nuclear intermediate filament protein lamin B2 from higher vertebrates. FEBS Lett. 58	human	WB,ICC-IF
Alzheimer, M., von Glasenapp, E., Schnolzer, M., Heid, H. & Benavente, R. Meiotic lamin C2: the unique amino-terminal hexapeptide GNAEGR is essential for nuclear envelope association. Proc. Natl. Acad. Sci. U. S. A. 97, 13120-5 (2000)	monkey	ICC-IF
HÄ¶fger, T. H., Zatloukal, K., Waizenegger, I. & Krohne, G. Characterization of a second highly conserved B-type lamin present in cells previously thought to contain only a single B-type lamin. Chromosoma 99, 379-390 (1990).	mouse,xenopus	WB,ICC-IF,IEM