Product datasheet

anti-Lamin A + C mouse monoclonal, R27, supernatant

Short overview

Cat. No.	651138
Quantity	5 ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgM
Clone	R27
Immunogen	Nuclear pore complex-lamina fraction of bovine liver
Formulation	Contains 0.09% sodium azide
Conjugate	Unconjugated
Purification	Hybridoma cell culture supernatant
Storage	Short term at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
Intended use	Research use only
Application	ICC/IF, WB
Reactivity	Bovine, Human, Mouse, Trout, Xenopus, Zebrafish

Applications

Immunocytochemistry (ICC)	Ready-to-use
Western Blot (WB)	Assay dependent

Background

The monoclonal antibody decorates the lamina, i.e. the nucleoplasmic layer coating the nuclear envelope. Mutations in lamin A have been shown to cause Hutchinson-Gilford progeria syndrome in human and mouse and other laminopathies (for review see Burke & Stewart, 2002).

Polypeptides reacting: Lamin isotypes A and C (Mr 60 - 75 kDa); meiotic lamin C2

Reactivity in cultured cell lines: RV-SMC (rat vascular smooth muscle cells)

Product images



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References

Publication	Species	Application
Von Glasenapp, E. & Benavente, R. Fate of meiotic lamin C2 in rat spermatocytes cultured in the presence of okadaic acid. Chromosoma 109, 117-122 (2000).	rat	ICC-IF
Alsheimer, M., von Glasenapp, E., Hock, R. & Benavente, R. Architecture of the nuclear periphery of rat pachytene spermatocytes: distribution of nuclear envelope proteins in relation to synaptonemal complex attachment sites. Mol. Biol. Cell 10, 1235-1245	rat	WB