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Product Datasheet

Mouse anti Smoothelin, IgG1, Clone: [R4A], Monoclonal NMB-MUB1700P

Article Name	Mouse anti Smoothelin, IgG1, Clone: [R4A], Monoclonal
Biozol Catalog Number	NMB-MUB1700P
Supplier Catalog Number	MUB1700P
Alternative Catalog Number	NMB-MUB1700P
Manufacturer	NordicMubio
Host	Mouse
Category	Antikörper
Application	ICC, IHC-Fr, IHC-P, WB
Species Reactivity	Canine, Feline, Gallus, Human, Monkey, Porcine
Product Description	Smoothelin is a constituent of the smooth muscle cell (SMC) cytoskeleton. Antibodies directed to smoothelin are useful tools to monitor SMC differentiation. Smoothelin is exclusively expressed in fully differentiated (contractile) SMCs. RNA and prote...
Clonality	Monoclonal
Clone Designation	[R4A]
Isotype	IgG1
UniProt	P53814
Buffer	Each vial contains 100 ul 1 mg/ml purified monoclonal antibody in PBS containing 0.09% sodium azide.

Source	R4A is a mouse monoclonal IgG1 antibody derived by fusion of SP2/0-Ag14 mouse myeloma cells with spleen cells from a BALB/c mouse immunized with a cytoskeletal extract of chicken gizzard.
Application Notes	R4A is suitable for immunoblotting, immunocytochemistry on permeabilised cells, and immunohistochemistry on frozen and paraffin-embedded tissues. For staining paraffin-embedded tissues pretreatment in 10 mM citrate buffer (pH 6.0) and heating for 3 times 5 minutes in a microwave is required. Optimal antibody dilution should be determined by titration, recommended range is 1:100 - 1:200 for immunohistochemistry with avidin-biotinylated Horseradish peroxidase complex (ABC) as detection reagent, and 1:100 - 1:1000 for immunoblotting applications.