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Diagnostik & molekulare Diagnostik



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Mouse anti Vimentin, conjugated with HRP

Catalogue number: **MUB1900L2**

Clone	RV202
Isotype	IgG1
Product Type	Primary Antibodies
Units	1 ml
Host	Mouse
Species reactivity	Chicken Dog Goat Hamster Human Monkey Mouse Rat Swine Xenopus Zebrafish
Application	Flow cytometry Immunocytochemistry Immunohistochemistry (frozen)

Distributors

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Background

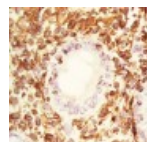
Vimentin (57 kDa) is the intermediate filament protein (IFP) of mesenchymal cells. This IFP however often deviates from the tissue-specific and developmentally regulated pattern of expression. Besides its typical expression in most cultured cells, vimentin is also expressed together with several other IFPs during early stages of development. As differentiation proceeds, vimentin is exchanged for the tissue-specific intermediate filament type. Also in cancers, vimentin is often expressed in addition to the tissue-specific IFP.

Source

RV202 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 vimentin extract of calf lens.

MUB1900L2

Figure 1 Frozen section of swine colon immunostained with RV202-HRP



Product

Each vial contains 1ml sterile filtered HRP-conjugated vimentin monoclonal antibody in PBS containing 0,1% BSA. Approximately 100 tests.

Specificity

RV202-HRP reacts exclusively with vimentin, which is expressed in mesenchymal cells and mesenchyme derived tumors e.g. lymphoma, sarcoma and melanoma. RV202-HRP is suitable for immunoblotting, immunocytochemistry on cell cultures and cytopins, as well as immunohistochemistry on frozen tissues. Optimal antibody dilution should be determined by titration; recommended dilution is 1:10.

Storage

Store at 4°C, or in small aliquots at -20°C.

References

1. Ramaekers, F., Huysmans, A., Schaart, G., Moesker, O., and Vooijs, P. (1987). Tissue distribution of Keratin 7 as monitored by a monoclonal antibody, *Exp Cell Res* 170, 235-49.
2. Viebahn, C., Lane, E. B., and Ramaekers, F. C. (1988). Keratin and vimentin expression in early organogenesis of the rabbit embryo, *Cell Tissue Res* 253, 553-62.
3. Pieper, F. R., Schaart, G., Krimpenfort, P. J., Henderik, J. B., Moshage, H. J., van de Kemp, A., Ramaekers, F. C., Berns, A., and Bloemendal, H. (1989). Transgenic expression of the muscle-specific intermediate filament protein desmin in nonmuscle cells, *J Cell Biol* 108, 1009-24.
4. Raats, J. M., Pieper, F. R., Vree Egberts, W. T., Verrijp, K. N., Ramaekers, F. C., and Bloemendal, H. (1990). Assembly of amino-terminally deleted desmin in vimentin-free cells, *J Cell Biol* 111, 1971-85.
5. Ramaekers, F., van Niekerk, C., Poels, L., Schaafsma, E., Huijsmans, A., Robben, H., Schaart, G., and Vooijs, P. (1990). Use of monoclonal antibodies to keratin 7 in the differential diagnosis of adenocarcinomas, *Am J Pathol* 136, 641-55.

Caution

This product is intended FOR RESEARCH USE ONLY, and FOR TESTS IN VITRO, not for use in diagnostic or therapeutic procedures involving humans or animals. This product contains sodium azide. To prevent formation of toxic vapors, do not mix with strong acidic solutions. To prevent formation of potentially explosive metallic azides in metal plumbing, always wash into drain with copious quantities of water. This datasheet is as accurate as reasonably achievable, but Nordic-MUBio accepts no liability for any inaccuracies or omissions in this information.

