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Rabbit anti Desmin K5

Catalogue number: **MUB0402S**

Clone	Polyclonal
Product Type	Primary Antibodies
Units	0.25 ml
Host	Rabbit
Species reactivity	Cattle Chicken Goat Hamster Human Mouse Rat Zebrafish
Application	Immunoblotting Immunohistochemistry (frozen) Immunohistochemistry (paraffin)

Distributors

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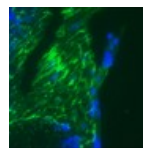
Background

Desmin is a 53 kDa intermediate filament protein and exhibits a high degree of tissue specificity, its expression being predominantly confined to all types of muscle cells (cardiac, skeletal and smooth muscle). Regulation of desmin expression is stage and tissue-specific, since it is induced during terminal development and muscle cell differentiation. In skeletal and cardiac muscle cells desmin is localized in the Z-disk region and at the intercalated disk. The expression pattern of desmin in smooth muscle is much more heterogeneous. Coexpression of desmin and vimentin has been observed in tumors derived from muscle tissue, i.e. rhabdomyosarcomas and leiomyosarcomas. Furthermore, during myocardial dysfunction dramatic changes in the distribution of desmin have been observed.

Source

K5 is a Rabbit Serum directed anti Chicken gizzard muscle desmin. Desmin was purified from a crude tissue preparation by preparative gel electrophoresis as described in reference 1.

MUB0402-9d Figure 1
Immunofluorescence staining of a 9 days old zebrafish embryo



Product

Each vial contains 250 ul Rabbit polyclonal antiSerum containing 0.09% sodium azide.

Applications

K5 is suitable for immunoblotting and immunohistochemistry on frozen and paraffin-embedded tissues. Optimal antibody dilution should be determined by titration; recommended range is 1:25 – 1:100 for immunohistochemistry with avidin-biotinylated Horseradish peroxidase complex (ABC) as detection reagent, and 1:100 – 1:500 for immunoblotting applications.

Specificity

K5 reacts exclusively with desmin, which is expressed in smooth and striated muscle cells and their tumors.

Storage

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

References

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5. van den Heuvel RM, van Eys GJ, Ramaekers FC, Quax WJ, Vree Egberts WT, Schaart G, Cuypers HT, Bloemendal H (1988). Intermediate filament formation after transfection with modified Hamster vimentin and desmin genes. *J Cell Sci*, 88, 475-82.
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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.