

Product datasheet PS031

MONOSAN[®]

Polyclonal Rabbit anti-Desmin K5

Clone no. -

MONOSAN

Product name	Polyclonal Rabbit anti-Desmin K5
Host	Rabbit
Applications	IHC-fr (1:25-1:100), IHC-P (1:25-1:100), WB (1:100-1:500)
Species reactivity	human,bovine, caprine, chicken, hamster, mouse, rat, zebrafish
Conjugate	-
Immunogen	anti Chicken gizzard muscle desmin
Isotype	-
Clonality	Polyclonal
Clone number	-
Size	250 ul
Concentration	n/a
Format	-
Storage buffer	PBS with 0.09% sodium azide
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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Additional info

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 en 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 heterogenous. Coexpression of desmin and vimentin has been observed in tumors derived from muscle tissue, i.e. rhabdomyosarcomas and leiomyosarcomas. Furthermore, during myocard dysfunction dramatic changes in the distribution of desmin have been observed. RCK106 reacts exclusively with Cytokeratin 18 in glandular epithelial cells of the digestive, respiRatory, and urogenital tracts, endocrine and exocrine cells and mesothelial cells, as well as adenocarcinomas originating from them.

References

1. Ramaekers et al. Histochem J 1983;15:691-713
2. Quax et al. Cell 1985;43:327-338
3. Pieper et al. EMBO 1987;6:3611-3618
4. Krimpenfort et al. EMBO J 1988;7:941-947
5. Council et al. Modern Pathol 2009;22:639-650

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