

Datasheet for ABIN5691092
anti-Desmin antibody



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2 Images

Overview

Quantity:	0.1 mg
Target:	Desmin (DES)
Reactivity:	Human, Mouse, Rat, Chicken, Hamster, Pig, Dog, Cow, Horse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Desmin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC)

Product Details

Immunogen:	D33 is a mouse monoclonal IgG1 antibody derived by fusion of mouse myeloma cells with spleen cells from a BALB/c mouse immunized with purified desmin from a leiomyosarcoma.
Clone:	D33
Isotype:	IgG1
Specificity:	The antibody D33 reacts exclusively with desmin, which is expressed in smooth and striated muscle cells and their tumors e.g. rhabdomyosarcoma and leiomyosarcoma in human, hamster, rat and chicken. The antibody does not cross react with vimentin or any of the other intermediate filament proteins.

Target Details

Target:	Desmin (DES)
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Target Details

Alternative Name: Desmin ([DES Products](#))

Background: Desmin is a 53 kDa intermediate filament protein that 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. 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 vimentin and desmin 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.

UniProt: [P17661](#)

Application Details

Application Notes: The D33 antibody is suitable for the detection of desmin by Western blotting and detects a band of 53 kDa in muscle tissue extracts. The antibody is also suitable for the detection of desmin by immunocytochemistry on permeabilized cells, and Immunohistochemistry on frozen and formalin fixed, paraffin embedded tissues. The antibody works on paraffin-embedded material without pretreatment with proteolytic enzymes, but the section should be pre-treated using heat mediated antigen retrieval with Tris-buffer containing 1 mM EDTA, pH 9,0 for 20 mins. Optimal antibody dilutions for the different applications should be determined by titration.

Restrictions: For Research Use only

Handling

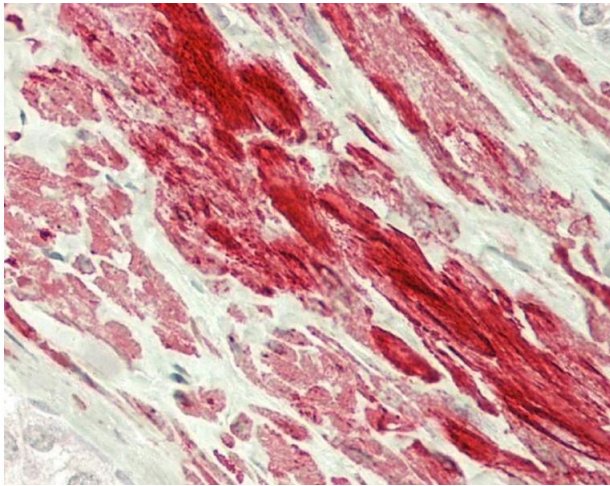
Buffer: Each vial contains 100 µL 1 mg/mL purified monoclonal antibody in phosphate buffered saline (PBS) containing 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

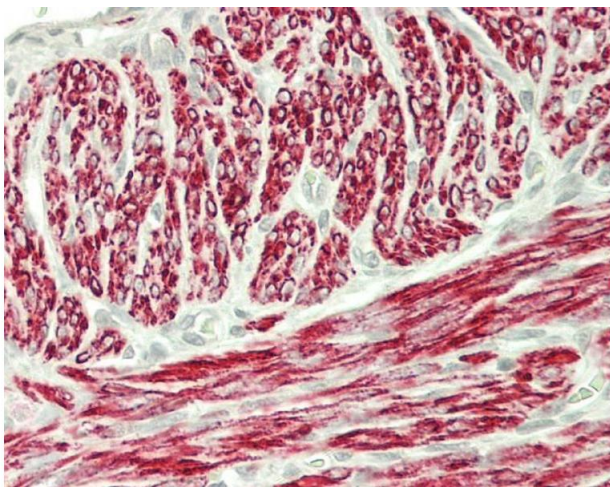
Storage: 4 °C, -20 °C

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



Immunohistochemistry

Image 1. Prostate



Immunohistochemistry

Image 2. Uterus Myometrium