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## **Desmin (Muscle Cell Marker)**

### **Epitope Specific Rabbit Antibody**

**Cat. #DLN-13732, -13734, -13735 (0.1ml, 0.5ml, or 1.0ml at 200µg/ml)** (Purified Ab with BSA and Azide)

**Cat. #DLN-13736 (7.0ml)** (Ready-to-Use for Immunohistochemical Staining)

#### ***Description:***

Desmin is an intermediate filament protein of both smooth and striated muscles. Antibody to desmin reacts with striated (skeletal and cardiac) as well as smooth muscle cells. In skeletal and cardiac muscles, the staining is confined to the Z-bands giving a characteristic striated appearance. Anti-desmin antibody is useful in identification of tumors of myogenic origin.

***Comments:*** This antibody is excellent for staining of formalin-fixed, paraffin-embedded tissues.

***Mol. Wt. of Antigen:*** 53kDa

***Epitope:*** Near C-terminus

***Species Reactivity:*** Human, Mouse and Rat. Others not tested.

#### ***Immunogen:***

A synthetic peptide mapping near the C-terminus of human desmin.

#### ***Applications and Suggested Dilutions:***

- Western Blotting
- Immunoprecipitation
- Immunohistology (Formalin/paraffin) (**Ab 1:200**)
- \* [No special pretreatment is required for staining of formalin/paraffin tissues.]

The optimal dilution for a specific application should be determined by the investigator.

***Positive Control:*** Muscle or Sarcoma

***Cellular Localization:*** Cytoplasmic

#### ***Supplied As:***

Affinity purified antibody from rabbit anti-serum. Prepared in 10mM PBS, pH 7.4, with 0.2% BSA and 15mM sodium azide.

or

Prediluted antibody which is ready-to-use for immunohistochemical staining.

#### ***Storage and Stability:***

Store vial at 4°C. When stored at 2-8°C, this antibody is stable for 24 months.

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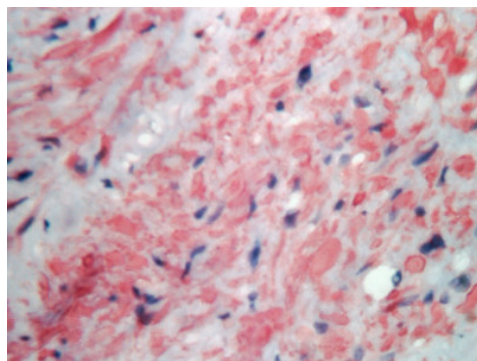
#### ***Limitations and Warranty:***

Our products are intended FOR RESEARCH USE ONLY and are not approved for clinical diagnosis, drug use or therapeutic procedures. No products are to be construed as a recommendation for use in violation of any patents. We make no representations, warranties or assurances as to the accuracy or completeness of information provided on our data sheets and website. Our warranty is limited to the actual price paid for the product. Dianova is not liable for any property damage, personal injury, time or effort or economic loss caused by our products.

#### ***Material Safety Data:***

This product is not licensed or approved for administration to humans or to animals other than the experimental animals. Standard Laboratory Practices should be followed when handling this material. The chemical, physical, and toxicological properties of this material have not been thoroughly investigated. Appropriate measures should be taken to avoid skin and eye contact, inhalation, and ingestion. The material contains 0.09% sodium azide as a preservative. Although the quantity of azide is very small, appropriate care should be taken when handling this material as indicated above. The National Institute of Occupational Safety and Health has issued a bulletin citing the potential explosion hazard due to the reaction of sodium azide with copper, lead, brass, or solder in the plumbing systems. Sodium azide forms hydrazoic acid in acidic conditions and should be discarded in a large volume of running water to avoid deposits forming in metal drainage pipes.

#### ***For Research Use Only***



Human uterus stained with anti-Desmin, Cat# DLN-13735

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