

Datasheet for ABIN6939233
anti-Desmin antibody



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2 Images

Overview

Quantity:	100 µg
Target:	Desmin (DES)
Reactivity:	Human, Mouse, Rat, Chicken, Hamster
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Desmin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS), Staining Methods (StM)

Product Details

Immunogen:	Recombinant human desmin protein
Clone:	DES-1711
Isotype:	IgG1 kappa
Specificity:	Cytoskeletal intermediate filaments (IFs) constitute a diverse group of proteins that are expressed in a highly tissue-specific manner. IFs are constructed from two-chain -helical coiled-coil molecules arranged on an imperfect helical lattice, and have been widely used as markers for distinguishing individual cell types within a tissue and identifying the origins of metastatic tumors. Vimentin is an IF general marker of cells originating in the mesenchyme. Vimentin and Desmin, a related class III IF, are both expressed during skeletal muscle development. Desmin, a 469 amino acid protein found near the Z line in sarcomeres, is expressed more frequently in adult differentiated state tissues. Anti-desmin detects cells of normal smooth, skeletal, and cardiac muscles. Antibody reacts with leiomyomas, leiomyosarcoma, rhabdomyomas,

Product Details

rhabdomyosarcoma, and perivascular cells of glomus tumors of the skin.

Purification: Purified by Protein A/G

Target Details

Target: Desmin (DES)

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

Molecular Weight: 52kDa

Gene ID: 1674

UniProt: [P17661](#)

Application Details

Application Notes: Positive Control: SJRH30 cells. Uterus or Leiomyosarcoma.
Known Application: Immunofluorescence (1-2 µg/mL), Flow Cytometry (0.5-1 µg/million cells), Western Blot (0.5-1 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

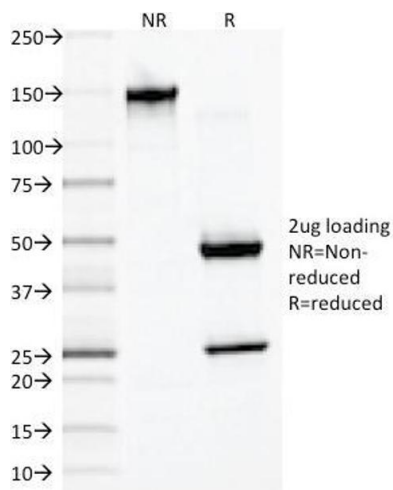
Preservative: Sodium azide

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

Storage: 4 °C,-80 °C

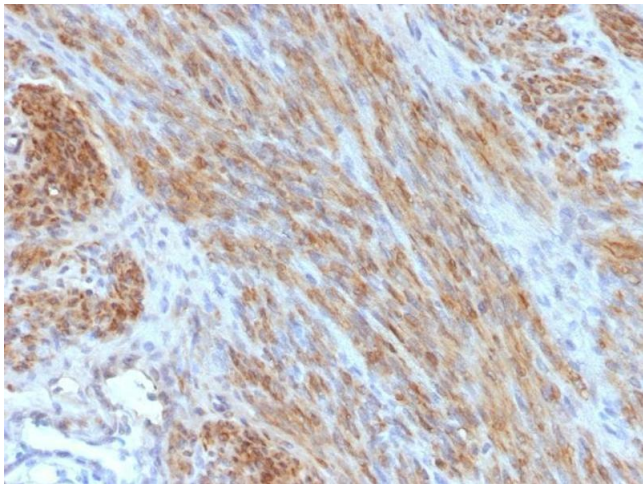
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



SDS-PAGE

Image 1. SDS-PAGE Analysis of Purified Desmin Monoclonal Antibody (DES/1711). Confirmation of Purity and Integrity of Antibody



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Uterus stained with Desmin Monoclonal Antibody (DES/1711)