

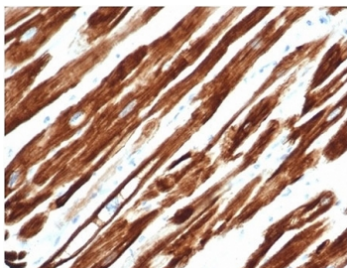
Desmin Antibody [clone rDES/1711] (V9768)

Catalog No.	Formulation	Size
V9768-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9768-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9768SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

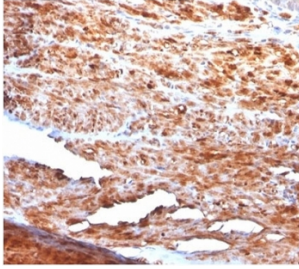
Recombinant **MOUSE MONOCLONAL**

[Bulk quote request](#)

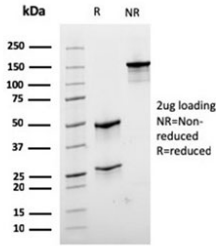
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat, Hamster, Guinea pig, Rabbit
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rDES/1711
Purity	Protein G affinity chromatography
UniProt	P17661
Localization	Cytoplasmic
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT (Human) Western Blot : 2-4ug/ml (Human/Mouse/Rat/Hamster/Guinea pig/Rabbit)
Limitations	This Desmin antibody is available for research use only.



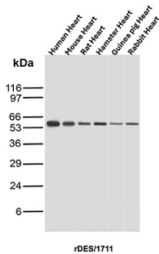
Desmin Antibody FFPE Human Uterus Tissue IHC. Immunohistochemistry testing of FFPE human uterus with Desmin antibody (clone rDES/1711). Required HIER: boil tissue sections in 10mM citrate buffer, pH 6, for 10-20 min.



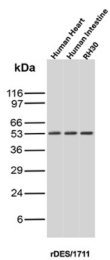
IHC testing of FFPE human uterus with Desmin antibody (clone rDES/1711). Required HIER: boil tissue sections in 10mM citrate buffer, pH 6, for 10-20 min.



SDS-PAGE Analysis of Purified, BSA-Free recombinant Desmin Antibody (clone rDES/1711). Confirmation of Integrity and Purity of the Antibody.



Desmin Antibody Multi-Species Heart WB. Western blot analysis of heart tissue lysates from human, mouse, rat, hamster, guinea pig, and rabbit using Desmin Antibody (clone rDES/1711) detects a band at approximately 53 kDa across all species, consistent with the expected molecular weight of Desmin. The conserved banding pattern supports reliable cross-species detection of this muscle-specific intermediate filament protein, aligning with its role as a structural marker of muscle cells and tissue integrity.



Desmin Antibody Human Tissue Panel WB. Western blot analysis of human heart, human intestine, and RH30 cell lysates using Desmin Antibody (clone rDES/1711) detects a band at approximately 53 kDa, consistent with the expected molecular weight of Desmin. The presence of signal in heart and intestine tissues, as well as rhabdomyosarcoma cells, supports detection of this muscle-associated intermediate filament protein, aligning with its role in muscle structure and differentiation.

Description

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

This antibody can be compared with our [Desmin Antibody \(clone DES/2960R\)](#) for detection of desmin as a muscle marker with validation supported by gene knockdown.

Application Notes

Optimal dilution of the Desmin antibody should be determined by the researcher.

Immunogen

Recombinant human protein was used as the immunogen for the recombinant Desmin antibody.

Storage

Store the Desmin antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).