

Product Datasheet

Desmin Antibody (orb385939)

Catalog Number	orb385939
Category	Antibodies
Description	<p>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 α-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.</p>
Clonality	Monoclonal
Species/Host	Mouse
Isotype	Mouse IgG1, kappa
Conjugation	Unconjugated
Reactivity	Human, Mouse, Rat
Buffer/Preservatives	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin and 0.05% sodium azide
Purification	Protein G affinity chromatography
Immunogen	Recombinant human Desmin was used as the immunogen for the Desmin antibody.
UniProt ID	P17661

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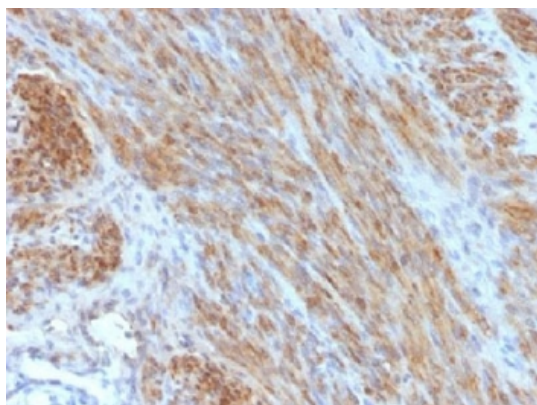
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Tested applications	FACS, IF, IHC-P, WB
Dilution range	Immunofluorescence: 1-2ug/ml, Flow cytometry: 0.5-1ug/10 ⁶ cells, Western blot: 0.5-1ug/ml, Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Application notes	Optimal dilution of the Desmin antibody should be determined by the researcher.
Antibody Type	Primary Antibody
Clone Number	DES/1711
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



IHC testing of FFPE human uterus with Desmin antibody (clone DES/1711). Required HIER: boil tissue sections in 10mM citrate buffer, pH6, for 10-20 min.

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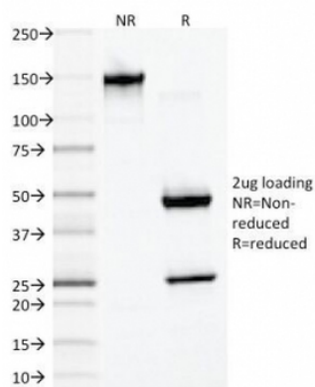
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SDS-PAGE Analysis of Purified, BSA-Free Desmin Antibody (clone DES/1711). Confirmation of Integrity and Purity of the Antibody.

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