

Mouse Desmin Monoclonal Antibody | anti-DES antibody

Desmin (Muscle Cell Marker) Recombinant Mouse Monoclonal Antibody [Clone rDES/1711]

CATALOG # AAA215595	HOST Mouse	REACTIVITY Human, Mouse, Rat, Hamster and Chicken	APPLICATIONS Immunohistochemistry
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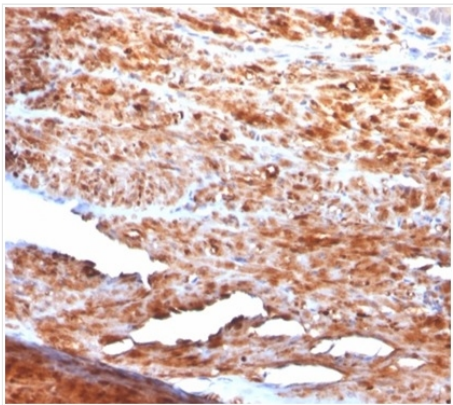
PRODUCT SYNONYMS

Desmin; Monoclonal Antibody; Desmin (Muscle Cell Marker) Recombinant Mouse Monoclonal Antibody [Clone rDES/1711]; Desmin (Muscle Cell Marker); CMD1; CSM1; CSM2; DES; Intermediate filament protein; anti-DES antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat, Hamster and Chicken
Clonality	Monoclonal
Isotype	Mouse/IgG1, kappa
Clone Number	rDES/1711
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-DES antibody	IHC (Immunohistochemistry)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant full-length human desmin protein
Cellular Localization	Cytoplasm
Positive Control	SJRH30 cells. Uterus or Leiomyosarcoma.
Hu-chromosome Location	2q35
Unigene	594952
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody without azide: store at -20 to -80 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
IHC analysis of formalin-fixed, paraffin-embedded human uterus. Stained using rDES/1711 at 2ug/ml in PBS for 30min RT. HIER: Tris/EDTA, pH9. 0, 45min. 2 degree : HRP-polymer, 30min. DAB, 5min.

ADDITIONAL INFORMATION

Related Product Information for anti-DES antibody	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	55749932
NCBI GeneID	1674
NCBI Accession #	NP_001918.3
NCBI GenBank Nucleotide #	NM_001927.3
UniProt Accession #	P17661; Q15787; Q549R7; Q549R8; Q549R9; Q8IZR1; Q8IZR6; Q8NES2; Q8NEU6; Q8TAC4; Q8TCX2; Q8TD99
Molecular Weight	53,536 Da
NCBI Official Full Name	desmin
NCBI Official Synonym Full Names	desmin
NCBI Official Symbol	DES
NCBI Official Synonym Symbols	CSM1; CSM2
NCBI Protein Information	desmin; intermediate filament protein
UniProt Protein Name	Desmin
UniProt Gene Name	DES
UniProt Entry Name	DESM_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

