

Mouse Desmin Monoclonal Antibody | anti-DES antibody

Anti-Desmin Antibody, Mouse Monoclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254180	Mouse	Human Predicted to React with: Mouse, Rat (Species predicted to react based on 100% sequence homology)	Immunohistochemistry

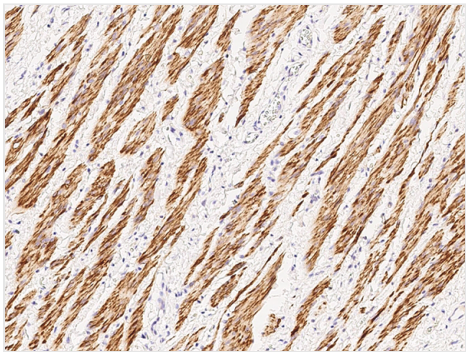
PRODUCT SYNONYMS

Desmin; Monoclonal Antibody; Anti-Desmin Antibody; Mouse Monoclonal; Desmin Antibody; Mouse MAb; desmin; Anti-CSM1 Antibody; Anti-CSM2 Antibody; Anti-LGMD2R Antibody; anti-DES antibody

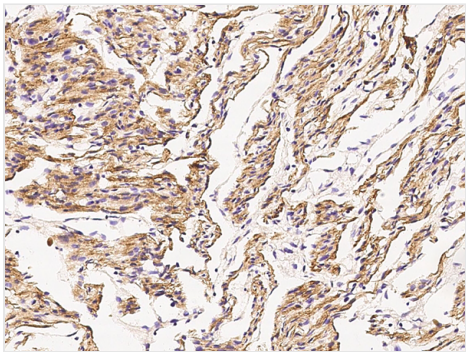
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human Predicted to React with: Mouse, Rat (Species predicted to react based on 100% sequence homology)
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	18
Specificity	Human Desmin
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-DES antibody	IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to the C-terminus of the Human Desmin
Conjugation	Unconjugated
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with a synthetic peptide corresponding to the C-terminus of the Human Desmin. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Immunochemical staining of human Desmin in human smooth muscle with mouse monoclonal antibody at 1:60 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)
Immunochemical staining of human Desmin in human heart with mouse monoclonal antibody at 1:60 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-DES antibody	The cohesin loading factor, nipped-B-like protein (NIPBL), is also known as the sister chromatid cohesion 2 (SCC2) human homolog, is a cohesin loading factor which is essential for deposition of cohesin onto the sister chromatid. Recent studies have shown that NIPBL contributes to sister chromatid cohesion and plays a critical role in development, DNA repair, and gene regulation. Downregulation of NIPBL arrested cells in the G0/G1 phase of the cell cycle and induced apoptosis and autophagy of breast cancer cells through the caspase3 and mammalian target of rapamycin (mTOR) signaling pathways. NIPBL, the sister chromatid cohesion 2 (SCC2) human homolog, is a cohesin loading factor which is essential for deposition of cohesin onto the sister chromatid. Recent studies have shown that NIPBL contributes to sister chromatid cohesion and plays a critical role in development, DNA repair, and gene regulation.
Product Categories/Family for anti-DES antibody	Cardiac Stem Cell Markers

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.

