

Mouse Desmin Monoclonal Antibody | anti-DES antibody

Mouse anti Desmin

CATALOG # AAA77486	HOST Mouse	REACTIVITY Chicken, Human, Mouse, Rabbit, Rat, Swine	APPLICATIONS Western Blot, Immunohistochemistry, Immunohistochemistry
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PRODUCT SYNONYMS

Desmin; Monoclonal Antibody; Mouse anti Desmin; anti-DES antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Chicken, Human, Mouse, Rabbit, Rat, Swine
Clonality	Monoclonal
Isotype	IgG1
Clone Number	D9
Specificity	D9 reacts exclusively with desmin, which is expressed in smooth and striated muscle cells and their tumors e.g. rhabdomyosarcoma and leiomyosarcoma.
Form/Format	Each vial contains 100 ul 1 mg/ml purified monoclonal antibody in PBS containing 0.09% sodium azide.
Applicable Applications for anti-DES antibody	WB (Western Blot), IHC (Immunohistochemistry), IHC (Immunohistochemistry)
Source Note	D9 is a Mouse monoclonal IgG1 antibody derived by fusion of Mouse myeloma cells with spleen cells from a Mouse immunized with desmin isolated from Human leiomyoma.
Preparation and Storage	Store at 4 degree C, or in small aliquots at -20 degree C.

IMAGES



Application Data

Figure 2: Immunohistochemistry on frozen sections of swine stomach showing staining of muscle tissues



Application Data

Figure 1: Immunohistochemistry on frozen sections of swine colon showing staining of muscle tissues

ADDITIONAL INFORMATION

Related Product Information for anti-DES antibody	Desmin (53 kDa) exhibits a high degree of tissue specificity, its expression being predominantly confined to all types of muscle cells (cardiac, skeletal and smooth muscle). Regulation of desmin expression is stage and tissue-specific, since it is induced during terminal development of, for example, skeletal muscle cell differentiation. In skeletal en cardiac muscle cells desmin is localized in the Z-disk region and at the intercalated disk. The expression pattern of desmin in smooth muscle is much more heterogenous. Coexpression of vimentin and desmin has been observed in tumors derived from muscle tissue, i.e. rhabdomyosarcomas and leiomyosarcomas. Furthermore, during myocard dysfunction dramatic changes in the distribution of desmin have been observed.
Product Categories/Family for anti-DES antibody	Cytoskeletal; Cancer; Cardiovascular; Cell adhesion; Cytoskeleton

References	Council, L., Hameed, O. (2009). Differential expression of immunohistochemical markers in bladder smooth muscle and myofibroblasts, and the potential utility of desmin, smoothelin, and vimentin in staging of bladder carcinoma Modern Pathology 22, 639-50.
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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; LGMD2R
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.