

Rabbit Desmin Polyclonal Antibody | anti-DES antibody

Desmin Antibody (C-term)

CATALOG # AAA286680	HOST Rabbit	REACTIVITY Human (Predicted Reactivity: Bovine, Mouse, Pig, Rat)	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

Desmin; Polyclonal Antibody; Desmin Antibody (C-term); DES; anti-DES antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Mouse, Pig, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Desmin antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 332-359 amino acids from the C-terminal region of human Desmin.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.42 (varies by lot)
Sequence Positions	332-359
Sequence Length	470
Applicable Applications for anti-DES antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

DES/Desmin (Muscle Cell Marker) Antibody (C-term) (AAA286680) immunohistochemistry analysis in formalin fixed and paraffin embedded human heart tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of DES/Desmin (Muscle Cell Marker) Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

DES/Desmin (Muscle Cell Marker) Antibody (C-term) western blot analysis in HL-60 cell line lysates (35ug/lane). This demonstrates the DES antibody detected the DES protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-DES antibody	This gene encodes a muscle-specific class III intermediate filament. Homopolymers of this protein form a stable intracytoplasmic filamentous network connecting myofibrils to each other and to the plasma membrane. Mutations in this gene are associated with desmin-related myopathy, a familial cardiac and skeletal myopathy (CSM), and with distal myopathies. [provided by RefSeq].
Product Categories/Family for anti-DES antibody	Cancer; Cardiovascular; Signal transduction
References	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) van Spaendonck-Zwarts, K., et al. Clin. Genet. (2010) In press : Zimmerman, R.S., et al. Genet. Med. 12(5):268-278(2010) Bar, H., et al. J. Mol. Biol. 397(5):1188-1198(2010) Levin, J., et al. J. Neuropathol. Exp. Neurol. 69(4):415-424(2010)

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	53536
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
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.