Desmin (DES) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Desmin, Polyclonal Antibody
Full Product Name	Desmin Rabbit Polyclonal Antibody
Product Gene Name	anti-DES antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Molecular Weight	53,536 Da
Chromosome Location	Chromosome: 2; NC_000002.11 (220283099..220291461). Location: 2q35
OMIM	125660
3D Structure	ModBase 3D Structure for P17661
Immunogen	Recombinant Protein
Product Categories/Family for anti-DES antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-DES antibody	Western Blot (WB)
Related Product Information for anti-DES antibody	MBS8596854 is an antibody targeting DES. Also known as Desmin Rabbit Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-DES antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DES. It may not necessarily be applicable to this product.

NCBI GI #	55749932
NCBI GeneID	1674
NCBI Accession #	NP_001918.3
UniProt Primary Accession #	P17661
UniProt Secondary Accession #	Q15787; Q549R7; Q549R8; Q549R9; Q8IZR1; Q8IZR6; Q8NES2; Q8NEU6; Q8TAC4; Q8TCX2; Q8TD99
UniProt Related Accession #	P17661
GenBank Nucleotide #	NM_001927.3
NCBI Official Full Name	desmin
NCBI Official Synonym Full Names	desmin
NCBI Official Symbol	DES

NCBI Official Synonym Symbols	CSM1; CSM2
UniProt Protein Name	Desmin
Protein Family	9-divinyl ether synthase
UniProt Gene Name	DES
UniProt Entry Name	DESM_HUMAN
NCBI Protein Information	desmin; intermediate filament protein
NCBI Summary for DES	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, Jul 2008]
UniProt Comments for DES	desmin: a class-III intermediate filaments found in muscle cells. In adult striated muscle they form a fibrous network connecting myofibrils to each other and to the plasma membrane from the periphery of the Z-line structures. Mutations in this gene are associated with desmin-related myopathy, a familial cardiac and skeletal myopathy (CSM), and with distal myopathies. Protein type: Motility/polarity/chemotaxis; Cytoskeletal Chromosomal Location of Human Ortholog: 2q35 Cellular Component: intermediate filament; fascia adherens; Z disc; cytosol; neuromuscular junction; sarcolemma Molecular Function: identical protein binding; protein binding; structural constituent of cytoskeleton; cytoskeletal protein binding Biological Process: muscle contraction; cytoskeleton organization and biogenesis; regulation of heart contraction; muscle filament sliding Disease: Cardiomyopathy, Dilated, 1i; Scapuloperoneal Syndrome, Neurogenic, Kaeser Type; Myopathy, Myofibrillar, 1; Muscular Dystrophy, Limb-girdle, Type 2r
Research Articles on DES	**1.** Phenotypic features in patients with desmin tail domain mutations are similar to those in patients with mutations localized in the 1B and 2B alpha-helical domains.
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