DES Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DES, Polyclonal Antibody
Full Product Name	DES Polyclonal Antibody
Product Gene Name	anti-DES antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.
Purity/Purification	Affinity Purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	53kDa
OMIM	125660
3D Structure	ModBase 3D Structure for P17661
Immunogen	Recombinant protein of human DES (NP_001918.3).
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-DES antibody	Western Blot (WB), Immunofluorescence (IF)
Application Notes for anti-DES antibody	WB: 1:500-1:2000 IF: 1:50-1:200
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.
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.
Searchable Terms for DES purchase	MBS8566763 is an antibody targeting DES. Also known as DES Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.

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 Related Accession #	P17661
GenBank Nucleotide #	NP_001918.3
NCBI Official Full Name	desmin
NCBI Official Synonym Full Names	desmin
NCBI Official Symbol	DES
NCBI Official Synonym Symbols	CSM1; CSM2; CDCD3; CMD1F; LGMD1D; LGMD1E; LGMD2R
UniProt Protein Name	Desmin
Protein Family	9-divinyl ether synthase
UniProt Gene Name	DES
UniProt Entry Name	DESM_HUMAN
NCBI Protein Information	desmin
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.** The DES-p.Glu401Asp mutation causes predominant inherited left ventricular arrhythmogenic cardiomyopathy/dysplasia with a high incidence of adverse clinical events in the absence of skeletal myopathy or conduction system disorders.
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