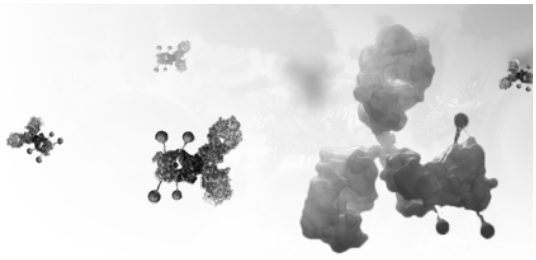

Anti-DES (C-terminal) polyclonal antibody (CPBT-67822GH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Goat anti Human Desmin antibody recognizes an epitope within the C-terminal (CT) region of human Desmin, a type III intermediate filament (IF), localized near the Z line in sacromeres of skeletal, smooth and cardiac muscle tissue. Desmin plays an essential role in the architecture of muscle cells, connecting the Z-disk to the subsarcolemmal cytoskeleton, and the contractile apparatus to the, mitochondria, cell nucleus and post-synaptic areas of motor endplates. Desmin is an early indicator for muscle tissue in embryogenesis, and a marker for tumours of myogenic origin. Mutations in the Desmin gene, are responsible for the neuromuscular disorder known as desmin-related cardio skeletal myopathy (CSM), characterized by skeletal muscle weakness.
Specificity	DES
Immunogen	Synthetic peptide sequence C-RDGEVVSEATQQQHE from the C-Terminal region of Desmin (NP_001918.3).
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human, Bovine, Dog, Mouse, Pig, Rat
Conjugate	Unconjugated
Applications	ELISA; IHC-P; WB
Format	Purified IgG - liquid
Size	100 µg
Preservative	0.02% Sodium Azide

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Storage	in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	DES desmin [Homo sapiens (human)]
Official Symbol	DES
Synonyms	DES; desmin; CSM1; CSM2; LGMD2R; mutant desmin p.K241E; intermediate filament protein;
Entrez Gene ID	1674
Protein Refseq	NP_001918
UniProt ID	P17661
Chromosome Location	2q35
Pathway	Arrhythmogenic right ventricular cardiomyopathy; Arrhythmogenic right ventricular cardiomyopathy (ARVC); Aurora B signaling; Dilated cardiomyopathy; Hypertrophic cardiomyopathy (HCM); Muscle contraction; Striated Muscle Contraction;
Function	cytoskeletal protein binding; identical protein binding; protein binding; structural constituent of cytoskeleton;

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