




Rabbit Anti-Desmuslin antibody

SL8555R

Product Name:	Desmuslin
Chinese Name:	中间丝蛋白 β -synemin抗体
Alias:	Desmuslin; DMN; SYN; Synemin alpha; Synemin beta; Synemin, intermediate filament protein; SYNM; KIAA0353; synemin isoform A; SYNEM_HUMAN.
文献引用  :	Specific References(1) SL8555R has been referenced in 1 publications. [IF=6.39] Bengoechea, Rocio, et al. "Myofibrillar disruption and RNA binding protein aggregation in a mouse model of limb girdle muscular dystrophy 1D." Human Molecular Genetics (2015): ddv363. WB;Mouse. PubMed:26362252
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Rabbit,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:200-800 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	172kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Desmuslin:501-650/1565
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of

	antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	<p>The protein encoded by this gene is an intermediate filament (IF) family member. IF proteins are cytoskeletal proteins that confer resistance to mechanical stress and are encoded by a dispersed multigene family. This protein has been found to form a linkage between desmin, which is a subunit of the IF network, and the extracellular matrix, and provides an important structural support in muscle. Two alternatively spliced variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2008].</p> <p>Function: Type-VI intermediate filament (IF) which plays an important cytoskeletal role within the muscle cell cytoskeleton. It forms heteropolymeric IFs with desmin and/or vimentin, and via its interaction with cytoskeletal proteins alpha-dystrobrevin, dystrophin, talin-1, utrophin and vinculin, is able to link these heteropolymeric IFs to adherens-type junctions, such as to the costameres, neuromuscular junctions, and myotendinous junctions within striated muscle cells.</p> <p>Subunit: Interacts with GFAP and VIM (By similarity). Isoform 1 interacts with TLN1 and VCL. Isoform 2 interacts with DES and DTNA. Isoform 1 and isoform 2 interact with DMD and UTRN.</p> <p>Subcellular Location: Cytoplasm, cytoskeleton. Cell junction, adherens junction.</p> <p>Tissue Specificity: Isoform 2 is strongly detected in adult heart, fetal skeletal muscles and fetal heart. Isoform 1 is weakly detected in fetal heart and also in fetal skeletal muscle. Isoform 1 and isoform 2 are detected in adult bladder (at protein level). The mRNA is predominantly expressed in heart and muscle with some expression in brain which may be due to tissue-specific isoforms.</p> <p>Similarity: Belongs to the intermediate filament family.</p> <p>SWISS: O15061</p> <p>Gene ID: 23336</p> <p>Database links: Entrez Gene: 23336Human</p>

[Entrez Gene: 233335](#)Mouse

[Entrez Gene: 308709](#)Rat

[Oimim: 606087](#)Human

[SwissProt: O15061](#)Human

[SwissProt: Q70IV5](#)Mouse

[Unigene: 207106](#)Human

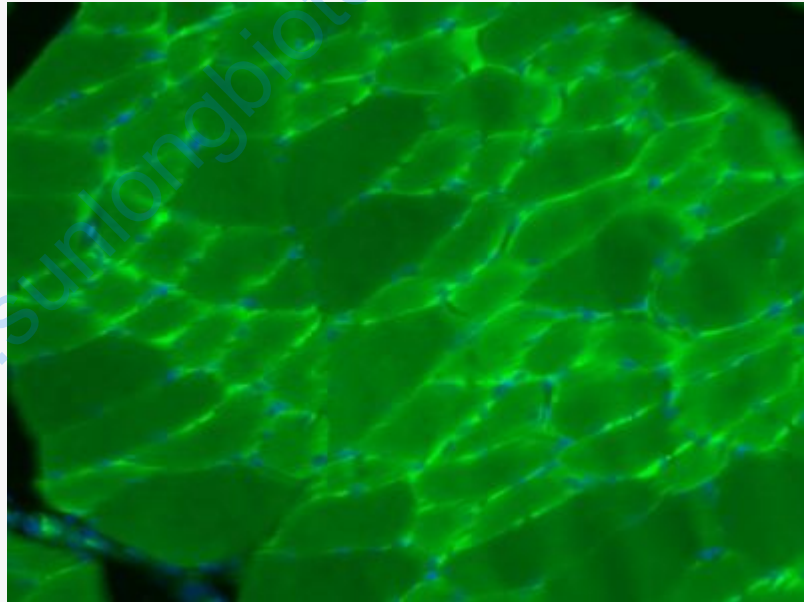
[Unigene: 60526](#)Mouse

[Unigene: 46362](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Paraformaldehyde-fixed, paraffin embedded (Rat skeletal muscle); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Desmuslin) Polyclonal Antibody, Unconjugated (SL8555R) at 1:400 overnight at 4°C, followed by a conjugated Goat

	Anti-Rabbit IgG antibody (SL8555R) for 90 minutes, and DAPI for nuclei staining.
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