

Desmin Polyclonal Antibody

Catalog NumberPA5-17182

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human, Mouse, Rat
Host/Isotope	Rabbit / IgG	Published species	Human
Class	Polyclonal	Tested Applications	Dilution *
Type	Antibody	Western Blot (WB)	1:1,000
Immunogen	Synthetic peptide corresponding to residues near the carboxy terminus of human desmin	Published Applications	
Conjugate	Unconjugated	Immunocytochemistry (ICC/IF)	See 1 publications below
Form	Liquid	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Concentration	7 µg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/mL BSA, 50% glycerol		
Contains	no preservative		
Storage Conditions	-20°C		

Product specific information

It is not recommended to aliquot this antibody.

Background/Target Information

Desmin (approximately 53 kDa) exhibits a high degree of tissue specificity, its expression being predominantly confined to all types of muscle cells (cardiac, skeletal and smooth muscle). Regulation of desmin expression is stage and tissue-specific, since it is induced during terminal development of, for example, skeletal muscle cell differentiation. In skeletal en cardiac muscle cells desmin is localized in the Z-disk region and at the intercalated disk. The expression pattern of desmin in smooth muscle is much more heterogenous. Coexpression of vimentin and desmin has been observed in tumors derived from muscle tissue, i.e. rhabdomyosarcomas and leiomyosarcomas. Furthermore, during myocard dysfunction dramatic changes in the distribution of desmin have been observed.

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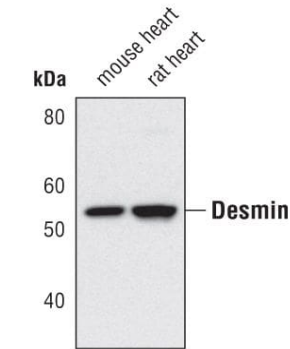
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Desmin Antibody (PA5-17182) in WB

Western blot analysis of Desmin in extracts from mouse heart and rat heart using Desmin polyclonal antibody (Product # PA5-17182).



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PubMed References For Desmin Polyclonal Antibody

1 Immunocytochemistry References

Species / Dilution	Summary
Human / Not Cited	PA5-17182 was used in Immunocytochemistry-immunoflourescence to characterise selected genes and microRNAs acting in the skeletal muscle of amyotrophic lateral sclerosis patients.
	Scientific reports ( 2017; 7: )
	<b>"Potential therapeutic targets for ALS: MIR206, MIR208b and MIR499 are modulated during disease progression in the skeletal muscle of patients."</b> Author(s):Di Pietro L,Baranzini M,Berardinelli MG,Lattanzi W,Monforte M,Tasca G,Conte A,Logroscino G,Michetti F,Ricci E,Sabatelli M,Bernardini C PubMed Article URL: <a href="http://dx.doi.org/10.1038/s41598-017-10161-z">http://dx.doi.org/10.1038/s41598-017-10161-z</a>

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