

Desmin Polyclonal Antibody

Catalog NumberPA5-12331

Product data sheet

Details		Species Reactivity	
Size	400 µL	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Immunohistochemistry (Paraffin) (IHC (P))	1:10-1:50
Type	Antibody	Western Blot (WB)	1:1,000
Immunogen	KLH conjugated synthetic peptide between 1-30 amino acids from human Desmin	* 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.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	Lot-specific		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Product specific information

This antibody is predicted to react with bovine, mouse, porcine and rat based on sequence homology.

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.

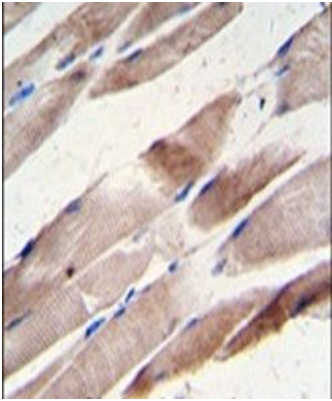
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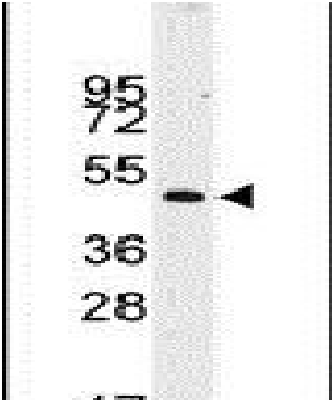
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Product Images For Desmin Polyclonal Antibody



Desmin Antibody (PA5-12331) in IHC

Immunohistochemical analysis of formalin-fixed, paraffin-embedded human hepatocarcinoma tissue using a Desmin polyclonal antibody (Product # PA5-12331), followed by HRP-conjugated secondary antibody and DAB staining.



Desmin Antibody (PA5-12331) in WB

Western blot analysis using a Desmin polyclonal antibody (Product # PA5-12331) in NCI-H460 cell lysates (35 µg per lane).

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