

For Research Use Only

# Desmin Polyclonal antibody

Catalog Number: 22205-1-AP **1 Publications**



## Basic Information

<b>Catalog Number:</b> 22205-1-AP	<b>GenBank Accession Number:</b> BC032116	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 300 ug/ml by Nanodrop and 273 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 1674	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P17661	
<b>Isotype:</b> IgG	<b>Full Name:</b> desmin	
<b>Immunogen Catalog Number:</b> AG17525	<b>Calculated MW:</b> 470 aa, 54 kDa	
	<b>Observed MW:</b> 50-55 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b> WB : mouse heart tissue, mouse skeletal muscle tissue
<b>Cited Applications:</b> WB	<b>IHC :</b> human normal colon, human heart tissue, human skeletal muscle tissue, mouse heart tissue
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

Desmin is the main intermediate filament protein in skeletal and cardiac muscle cells and is essential for both the structural integrity and the survival of muscle cells. As an abundant muscle-specific protein, desmin has been widely used as a marker of muscle derived tumors. Anti-desmin is also valuable in the differential diagnosis of tumors of uncertain origin.

## Notable Publications

Author	Pubmed ID	Journal	Application
Hang Mei	38993555	Int J Biol Sci	WB

## Storage

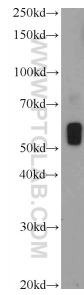
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

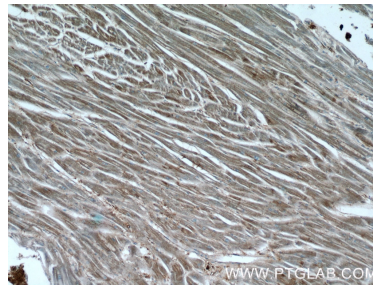
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

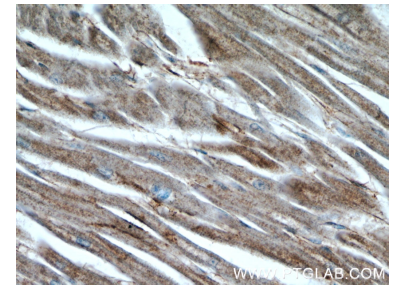
## Selected Validation Data



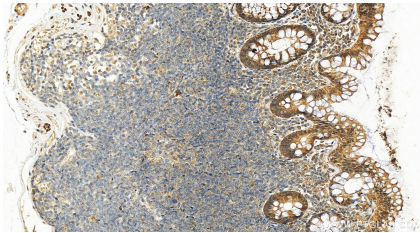
mouse heart tissue were subjected to SDS PAGE followed by western blot with 22205-1-AP (Desmin antibody at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 22205-1-AP (Desmin antibody at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 22205-1-AP (Desmin antibody at dilution of 1:50 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 22205-1-AP (Desmin antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).