

For Research Use Only

# Desmin Monoclonal antibody

Catalog Number: 67793-1-Ig



## Basic Information

<b>Catalog Number:</b> 67793-1-Ig	<b>GenBank Accession Number:</b> BC032116	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150UL, Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1674	<b>CloneNo.:</b> 2B1A11
<b>Source:</b> Mouse	<b>Full Name:</b> desmin	<b>Recommended Dilutions:</b> WB 1:2000-1:20000 IHC 1:500-1:2000
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 470 aa, 54 kDa	
<b>Immunogen Catalog Number:</b> AG9675	<b>Observed MW:</b> 52 kDa	

## Applications

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

## 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.

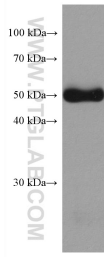
## Storage

**Storage:**  
Store at -20°C.  
**Storage Buffer:**  
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

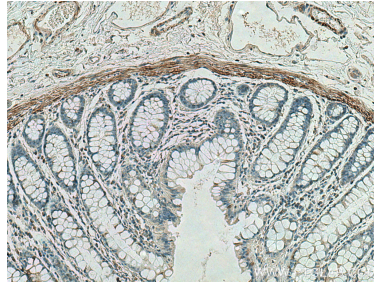
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
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## Selected Validation Data



mouse testis tissue were subjected to SDS PAGE followed by western blot with 67793-1-Ig (Desmin antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 67793-1-Ig (Desmin antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).