

For Research Use Only

Desmin Monoclonal antibody

Catalog Number: 67793-1-Ig **7 Publications**



Basic Information

Catalog Number: 67793-1-Ig	GenBank Accession Number: BC032116	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 1674	CloneNo.: 2B1A11
Source: Mouse	UNIPROT ID: P17661	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:500-1:2000 IF 1:200-1:800
Isotype: IgG1	Full Name: desmin	
Immunogen Catalog Number: AG9675	Calculated MW: 470 aa, 54 kDa	
	Observed MW: 52 kDa	

Applications

Tested Applications:
IF-P, IHC, WB, ELISA

Cited Applications:
WB, IF

Species Specificity:
Human, pig, mouse

Cited Species:
rat, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : pig heart tissue, mouse skeletal muscle tissue, mouse testis tissue, pig skeletal muscle, pig colon

IHC : human colon tissue, mouse skeletal muscle tissue

IF : human colon tissue, human appendicitis 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Zongren Hu	36571651	Mol Cell Biochem	WB,IF
Weifeng Hu	34921827	Exp Cell Res	IF
Yingzheng Weng	35451888	DNA Cell Biol	IF

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

For technical support and original validation data for this product please contact:

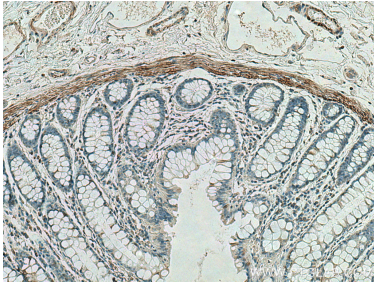
T: 4006900926

E: Proteintech-CN@ptglab.com

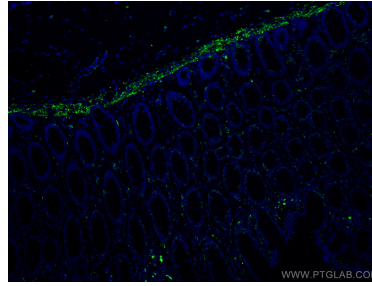
W: ptgcn.com

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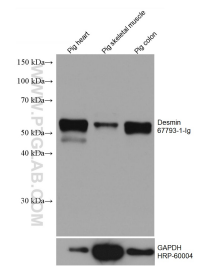
Selected Validation Data



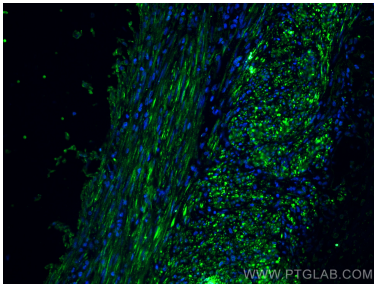
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 67793-1-Ig (Desmin antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



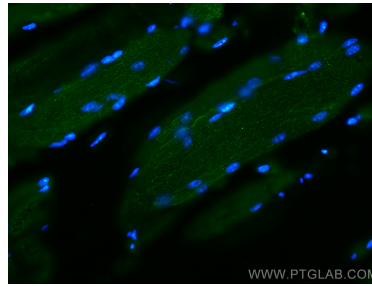
Immunofluorescent analysis of (4% PFA) fixed human colon tissue using Desmin antibody (67793-1-Ig, Clone: 2B1A11) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). DAPI (blue).



Various lysates 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. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



Immunofluorescent analysis of (4% PFA) fixed human appendicitis tissue using Desmin antibody (67793-1-Ig, Clone: 2B1A11) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse skeletal muscle tissue using Desmin antibody (67793-1-Ig, Clone: 2B1A11) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).