

For Research Use Only

Desmin Recombinant antibody

Catalog Number: 82748-1-RR



Basic Information

Catalog Number: 82748-1-RR	GenBank Accession Number: BC032116	Purification Method: Protein A purification
Size: 100ul , Concentration: 500 ug/ml by Nanodrop;	GeneID (NCBI): 1674	CloneNo.: 1D21
Source: Rabbit	UNIPROT ID: P17661	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:500-1:2000
Isotype: IgG	Full Name: desmin	
Immunogen Catalog Number: AG9742	Calculated MW: 470 aa, 54 kDa	
	Observed MW: 53 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat, pig	WB : C2C12 cells, pig heart tissue, mouse heart tissue, rat heart tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : mouse skeletal muscle tissue, mouse heart 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

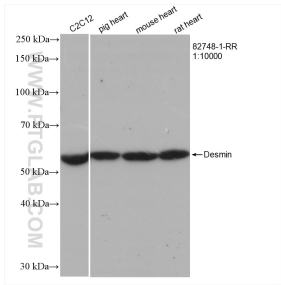
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

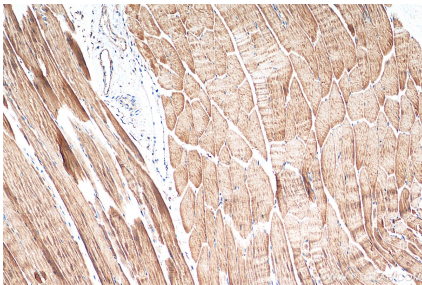
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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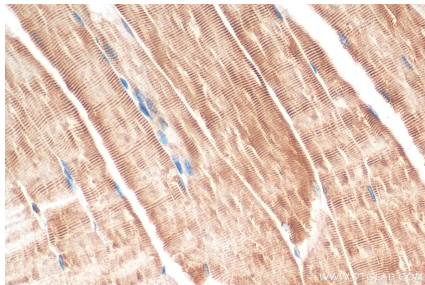
Selected Validation Data



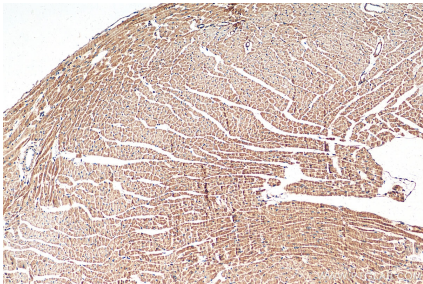
Various lysates were subjected to SDS PAGE followed by western blot with 82748-1-RR (Desmin antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



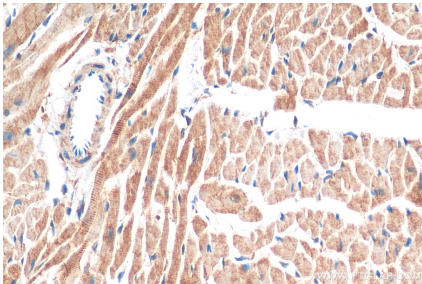
Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 82748-1-RR (Desmin antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



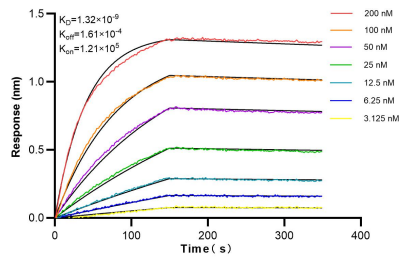
Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 82748-1-RR (Desmin antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 82748-1-RR (Desmin antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 82748-1-RR (Desmin antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 82748-1-RR against Human Desmin were performed. The affinity constant is 1.32 nM.