

For Research Use Only

Desmin Recombinant antibody, PBS Only

Catalog Number: 82748-1-PBS



Basic Information

Catalog Number:

82748-1-PBS

Size:

100ug, Concentration: 1mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9742

GenBank Accession Number:

BC032116

GeneID (NCBI):

1674

UNIPROT ID:

P17661

Full Name:

desmin

Calculated MW:

470 aa, 54 kDa

Observed MW:

53 kDa

Purification Method:

Protein A purification

CloneNo.:

1D21

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human, mouse, rat, pig

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 -80°C.

Storage Buffer:

PBS only, pH7.3

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

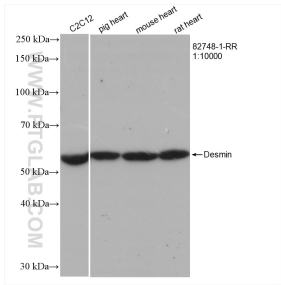
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com

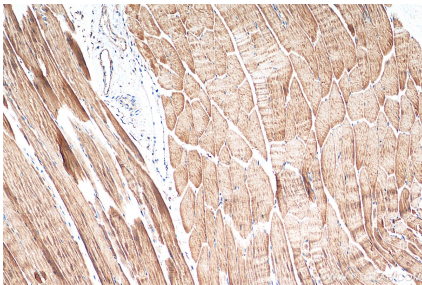
W: ptglab.com

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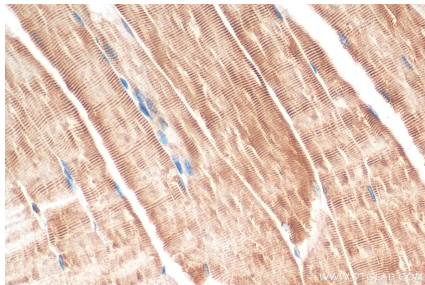
Selected Validation Data



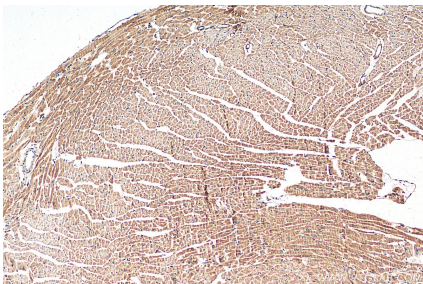
Various lysates were subjected to SDS PAGE followed by western blot with 82748-1-RR (Desmin antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82748-1-PBS in a different storage buffer formulation.



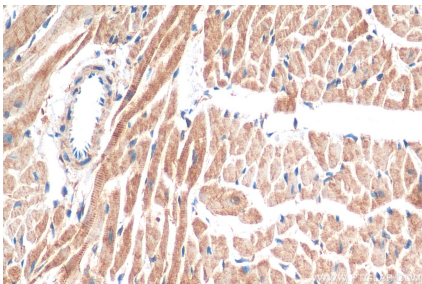
Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 82748-1-RR (Desmin antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82748-1-PBS in a different storage buffer formulation.



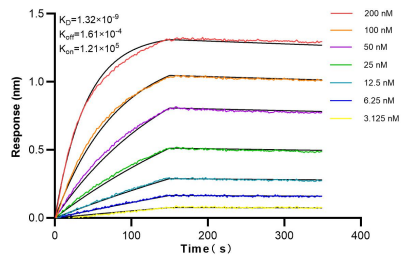
Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 82748-1-RR (Desmin antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82748-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 82748-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 82748-1-PBS in a different storage buffer formulation.



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