Desmin Rabbit mAb

Catalog No: #48749

Package Size: #48749-1 50ul #48749-2 100ul

Signalway Antibody
Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

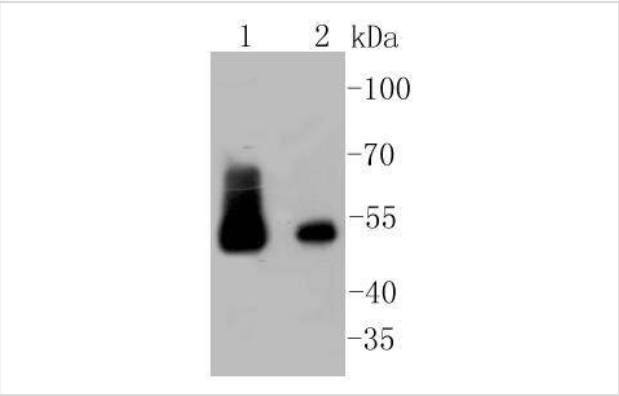
Description

Product Name	Desmin Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Clone No.	SI18-00
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, FC
Species Reactivity	Hu, Ms, Rt, zebrafish
Immunogen Description	recombinant protein
Conjugates	Unconjugated
Other Names	CMD1I antibody CSM1 antibody CSM2 antibody DES antibody DESM_HUMAN antibody Desmin antibody FLJ12025 antibody FLJ39719 antibody FLJ41013 antibody FLJ41793 antibody Intermediate filament protein antibody OTTHUMP00000064865 antibody
Accession No.	Swiss-Prot#:P17661
Calculated MW	53 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

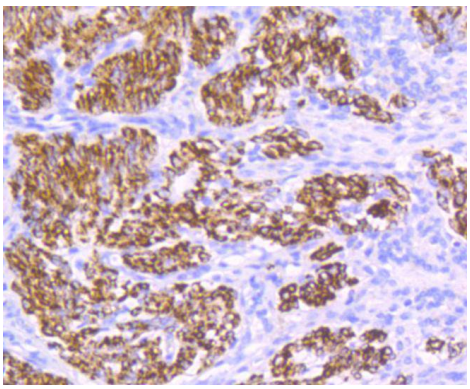
Application Details

WB: 1:1,000-5,000IHC: 1:50-1:200 ICC: 1:50-1:200FC: 1:50-1:100

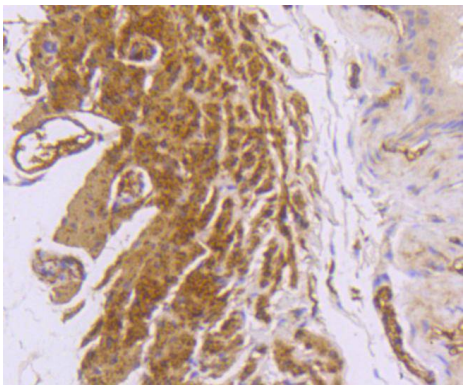
Images



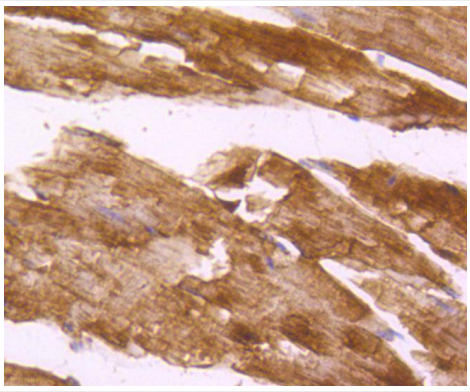
Western blot analysis of Desmin on different lysates using anti-Desmin antibody at 1/1,000 dilution. Positive control:
Lane 1: Human skeletal muscle
Lane 2: Mouse heart



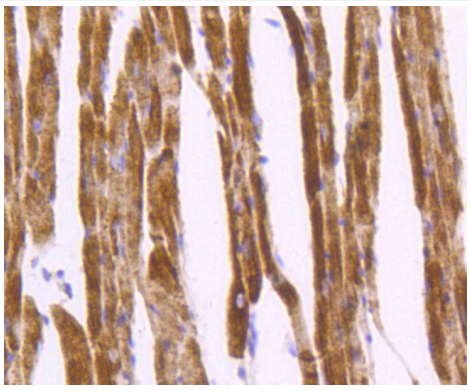
Immunohistochemical analysis of paraffin-embedded human uterus tissue using anti-Desmin antibody. Counter stained with hematoxylin.



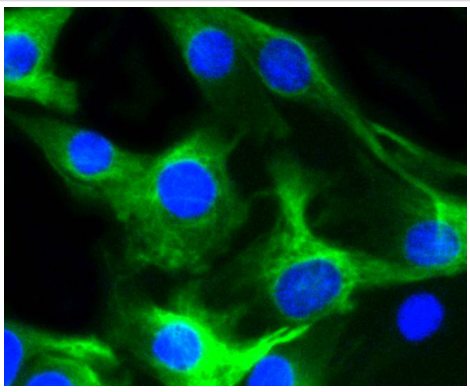
Immunohistochemical analysis of paraffin-embedded mouse bladder tissue using anti-Desmin antibody. Counter stained with hematoxylin.



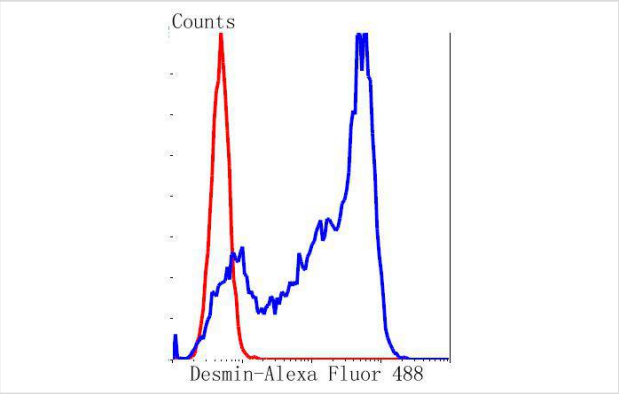
Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue using anti-Desmin antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse heart tissue using anti-Desmin antibody. Counter stained with hematoxylin.



ICC staining Desmin in C2C12 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of C2C12 cells with Desmin antibody at 1/50 dilution (blue) compared with an unlabelled control (cells without incubation with primary antibody; red). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

Background

Cytoskeletal intermediate filaments (IFs) constitute a diverse group of proteins that are expressed in a highly tissue-specific manner. IFs are constructed from two-chain α-helical coiled-coil molecules arranged on an imperfect helical lattice, and have been widely used as markers for distinguishing individual cell types within a tissue and identifying the origins of metastatic tumors. Vimentin is an IF general marker of cells originating in the mesenchyme. Vimentin and Desmin, a related class III IF, are both expressed during skeletal muscle development. Desmin, a 469 amino acid protein found near the Z line in sarcomeres, is expressed more frequently in adult differentiated state tissues. Desmin makes up attachments between the terminal Z-disc and membrane-associated proteins to form a force-transmitting system. Mutations in the gene encoding for Desmin are associated with adult-onset skeletal myopathy, sporadic disease and mild cardiac involvement.

References

Note: This product is for in vitro research use only and is not intended for use in humans or animals.