

## Product Data Sheet: Desmin

**Cat. No:** AB-82627

Conjugate: Unù

Size: 100 ug
Clone: POLY

**Concentration:** 1mg/ml

Host: Rb Isotype: IgG

**Immunogen:**Recombinant fusion protein containing a sequence corresponding to amino acids

90-470 of human Desmin.

**Reactivity:** Hu,Ms,Rt

Western Blot: 1:500 - 1:2000

**Applications:** Immunohistochemistry: 1:50 - 1:100

Immunofluorescence: 1:50 – 1:100

Immunocytochemistry: 1:50 - 1:100

Molecular Weight: 55kDa

Purification: Aff. Pur.

**Synonyms:** DES;CSM1;CSM2;LGMD2R;desmin;Desmin

This gene encodes a muscle-specific class III intermediate filament.

Homopolymers of this protein form a stable intracytoplasmic filamentous network connecting myofibrils to each other and to the plasma membrane. Mutations in

this gene are associated with desmin-related myopathy, a familial cardiac and

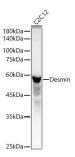
skeletal myopathy (CSM), and with distal myopathies.

Form: Liquid

**Background:** 

**Buffer:** PBS with 0.05% proclin300,50% glycerol,pH7.3.

**Storage:** Store at -20°C. Avoid freeze / thaw cycles.

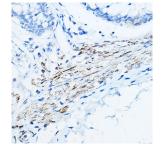


Western blot analysis of extracts of C2C12 cells, using Desmin antibody at 1:400 dilution.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L)) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.

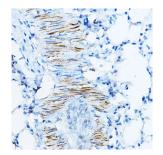
Detection: ECLWest Pico Plus. Exposure

time: 30s



Immunohistochemistry of paraffin embedded human colon using Desmin Rabbit pAb at dilution of 1:100 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH

6.0 before commencing with IHC staining protocol

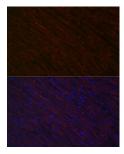


Immunohistochemistry of paraffin embedded mouse lung using Desmin Rabbit pAb at dilution of 1:100 (40x lens).

Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



## Product Data Sheet: Desmin



Immunofluorescence analysis of rat heart using Desmin Rabbit pAb at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

## **References:**

Product:Desmin Rabbit pAb Journal:Journal Of Cellular Physiology Application:IHC IF:6.384 Species:Mus musculus PMID:33230845

Title:SOD3 deficiency induces liver fibrosis by promoting hepatic stellate cell activation and epithelial–mesenchymal transition

## References:

Product:Desmin Rabbit pAb
Journal:Plant Physiol
Application:WB
IF:8.34
Species:Triticum aestivum L.
PMID:33576803
Title:A semi-dominant NLR allele causes whole-seedling necrosis in wheat