

Product datasheet for **AP33200SU-N**

Desmin (DES) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	Immunoblotting: 1/100–1/500. Immunohistochemistry on Frozen Sections. Immunohistochemistry on Paraffin Embedded Sections. <i>Recommended Dilutions:</i> 1/25–1/200 for immunohistochemistry with avidin biotinylated horseradish peroxidase complex (ABC) as detection reagent.
Reactivity:	Bovine, Canine, Chicken, Goat, Hamster, Human, Mouse, Rat, Zebrafish
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	Chicken gizzard muscle Desmin. Desmin was purified from a crude tissue preparation by preparative gel electrophoresis as described in Reference 1.
Specificity:	This Desmin K5 polyclonal antibody reacts exclusively with Desmin, which is expressed in smooth and striated muscle cells and their tumors e.g. rhabdomyosarcoma and leiomyosarcoma.
Formulation:	State: Serum State: Liquid Serum Preservative: 0.09% Sodium Azide
Conjugation:	Unconjugated
Storage:	Store undiluted at 2–8°C for one month or (in aliquots) at –20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	desmin
Database Link:	Entrez Gene 1674 Human P17661



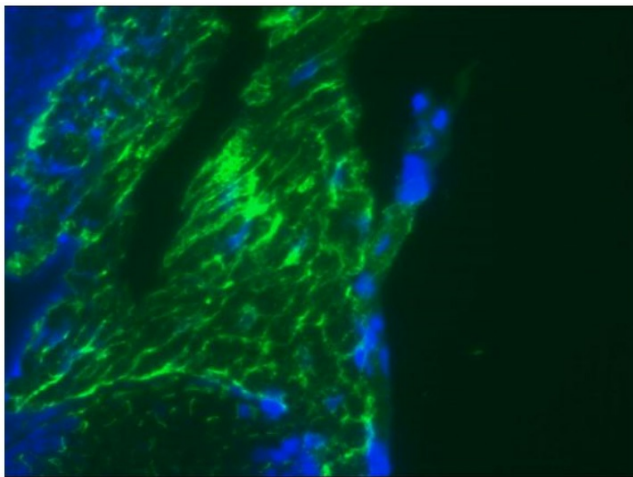
[View online »](#)

Background:

Desmin (53 kDa) exhibits a high degree of tissue specificity, its expression being predominantly confined to all types of muscle cells (cardiac, skeletal and smooth muscle). Regulation of desmin expression is stage and tissue-specific, since it is induced during terminal development of, for example, skeletal muscle cell differentiation. In skeletal muscle cells desmin is localized in the Z-disk region and at the intercalated disk. The expression pattern of desmin in smooth muscle is much more heterogeneous. Coexpression of vimentin and desmin has been observed in tumors derived from muscle tissue, i.e. rhabdomyosarcomas and leiomyosarcomas. Furthermore, during myocard dysfunction dramatic changes in the distribution of desmin have been observed.

Synonyms:

DES

Product images:


Immunofluorescence staining of a 9 days old Zebrafish embryo.