

## Product datasheet for **AP08135PU-S**

### Desmin (DES) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	<b>Immunohistochemistry:</b> 1/50-1/200 using polymer system or streptavidin-biotin system. Formalin-fixed paraffin-embedded (FFPE) tissue sections and cell smears do require antigen retrieval (boiling tissue in 10 mM citrate buffer, pH 6.0 for 10 minutes, followed by cooling to RT for 10-15 minutes). <b>Positive Control:</b> Human muscle or sarcomas.
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	13amino acids from C terminal of Human Desmin.
Specificity:	This antibody reacts with Human Desmin. Other species not tested. Antibodies to Desmin are useful in identification of tumors of myogenic origin. <b>Cellular Localization:</b> Cytoplasmic.
Formulation:	10mM PO4, 200mM NaCl, pH 7.4 State: Purified State: Liquid purified Total Ig fraction Stabilizer: 1% BSA Preservative: 0.05% Sodium Azide
Concentration:	lot specific
Purification:	Protein A Chromatography
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



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**Database Link:** [Entrez Gene 1674 Human P17661](#)

**Background:** Desmin is a type III intermediate filament found near the Z line in sarcomere. Desmin is only expressed in vertebrates, however homologous proteins are found in many organisms. It is a 52kD protein that is a subunit of intermediate filaments in skeletal muscle tissue, smooth muscle tissue, and cardiac muscle tissue.

**Synonyms:** DES