

Product datasheet for **AP31969PU-N**

Desmoplakin (DSP) (1672 -1684) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC
Recommended Dilution:	Peptide ELISA: 1/4000 (Detection limit). Western blot: Preliminary experiments in lysates of cell lines HEK293, HeLa and NIH3T3 gave no specific signal but low background (at antibody concentration up to 1 µg/ml). Immunohistochemistry on Paraffin Sections: 3-6 µg/ml. In paraffin embedded Human Heart shows staining of the junctons between cardiomuscular fibres.
Reactivity:	Human, Mouse, Rat
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Synthetic peptide from the internal region of Human DSP / Desmoplakin (NP_004406.2).
Specificity:	This antibody is expected to recognize reported isoform I (NP_004406.2) only.
Formulation:	Tris saline, pH~7.3 State: Aff - Purified State: Liquid purified Ig fraction Stabilizer: 0.5% BSA Preservative: 0.02% Sodium Azide
Concentration:	lot specific
Purification:	Immunoaffinity Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody 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:	desmoplakin
Database Link:	Entrez Gene 1832 Human P15924



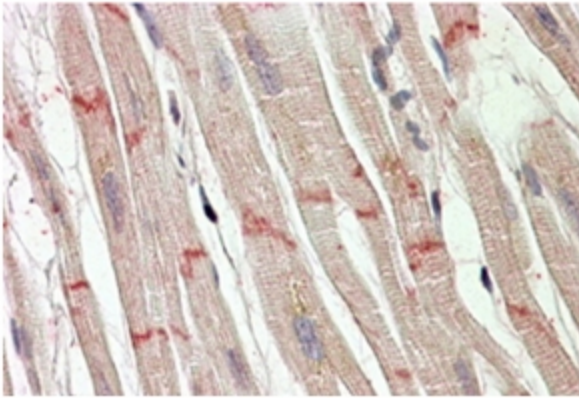
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Background:

Desmosomes are intercellular junctions that tightly link adjacent cells. Desmoplakin is an obligate component of functional desmosomes that anchors intermediate filaments to desmosomal plaques. The N-terminus of desmoplakin is required for localization to the desmosome and interacts with the N-terminal region of plakophilin 1 and plakoglobin. The C-terminus of desmoplakin binds with intermediate filaments. In the mid-region of desmoplakin, a coiled-coiled rod domain is responsible for homodimerization. Mutations in this gene are the cause of several cardiomyopathies and keratodermas as well as the autoimmune disease paraneoplastic pemphigus.

Synonyms:

DP, DSP, 250/210 kDa paraneoplastic pemphigus antigen

Product images:

Desmoplakin antibody staining of paraffin embedded Human Heart at 3.8 ug/ml. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.