

**DSP / Desmoplakin Antibody (Internal)**  
**Goat Polyclonal Antibody**  
**Catalog # ALS14965****Specification**

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**DSP / Desmoplakin Antibody (Internal) - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | IHC                    |
| Primary Accession | <a href="#">P15924</a> |
| Reactivity        | Human                  |
| Host              | Goat                   |
| Clonality         | Polyclonal             |
| Calculated MW     | 332kDa KDa             |

**DSP / Desmoplakin Antibody (Internal) - Additional Information****Gene ID** 1832**Other Names**

Desmoplakin, DP, 250/210 kDa paraneoplastic pemphigus antigen, DSP

**Target/Specificity**

Human DSP / Desmoplakin. This antibody is expected to recognize reported isoform I (NP\_004406.2) only.

**Reconstitution & Storage**

Store at -20°C. Minimize freezing and thawing.

**Precautions**

DSP / Desmoplakin Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

**DSP / Desmoplakin Antibody (Internal) - Protein Information****Name** DSP**Function**

Major high molecular weight protein of desmosomes. Regulates profibrotic gene expression in cardiomyocytes via activation of the MAPK14/p38 MAPK signaling cascade and increase in TGFB1 protein abundance (By similarity).

**Cellular Location**

Cell junction, desmosome {ECO:0000250|UniProtKB:E9Q557}. Cell membrane {ECO:0000250|UniProtKB:E9Q557}. Note=Localizes at the intercalated disk in cardiomyocytes. {ECO:0000250|UniProtKB:E9Q557}

**Tissue Location**

Expressed in oral mucosa (at protein level) (PubMed:30479852). Expressed in arrector pili muscle (at protein level) (PubMed:29034528). [Isoform DPII]: Resides predominantly in tissues and cells of

stratified origin

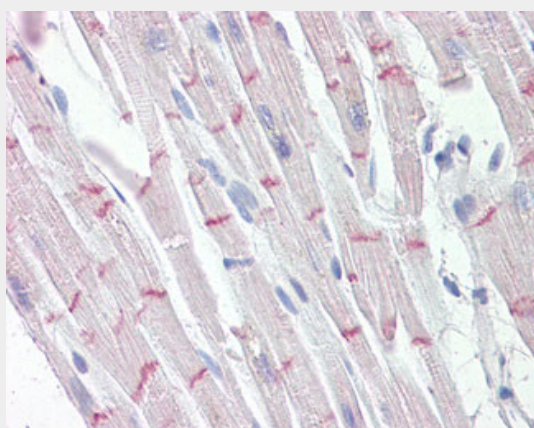
**Volume**  
500 µl

### **DSP / Desmoplakin Antibody (Internal) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **DSP / Desmoplakin Antibody (Internal) - Images**



Anti-DSP / Desmoplakin antibody IHC of human heart.

### **DSP / Desmoplakin Antibody (Internal) - Background**

Major high molecular weight protein of desmosomes. Involved in the organization of the desmosomal cadherin- plakoglobin complexes into discrete plasma membrane domains and in the anchoring of intermediate filaments to the desmosomes.

### **DSP / Desmoplakin Antibody (Internal) - References**

Virata M.L.A.,et al.Proc. Natl. Acad. Sci. U.S.A. 89:544-548(1992).  
Cabral R.M.,et al.Cell Tissue Res. 341:121-129(2010).  
Mungall A.J.,et al.Nature 425:805-811(2003).  
Green K.J.,et al.J. Biol. Chem. 265:2603-2612(1990).  
Green K.J.,et al.J. Biol. Chem. 265:11406-11407(1990).