

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

DSP / Desmoplakin Antibody (Internal) - Product Information

Application	IHC
Primary Accession	P15924
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

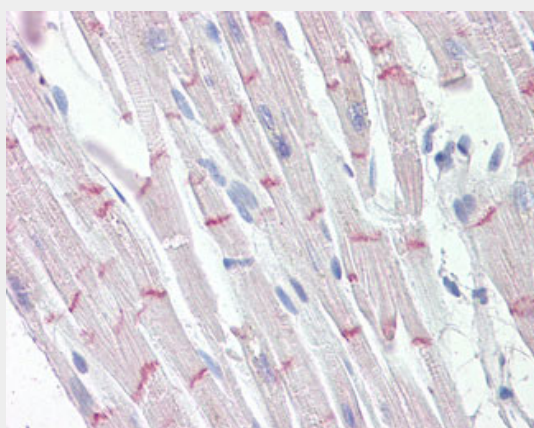
Volume
500 µl

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).
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