

Desmoplakin (aa 1672 -1684) Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3249a**Specification**

Desmoplakin (aa 1672 -1684) Antibody (internal region) - Product Information

Application	IHC
Primary Accession	P15924
Other Accession	NP_004406.2 , 1832 , 109620 (mouse) , 306871 (rat)
Reactivity	Human
Predicted	Mouse, Rat
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	331774

Desmoplakin (aa 1672 -1684) Antibody (internal region) - Additional Information**Gene ID** 1832**Other Names**

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

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Desmoplakin (aa 1672 -1684) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

Desmoplakin (aa 1672 -1684) Antibody (internal region) - 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

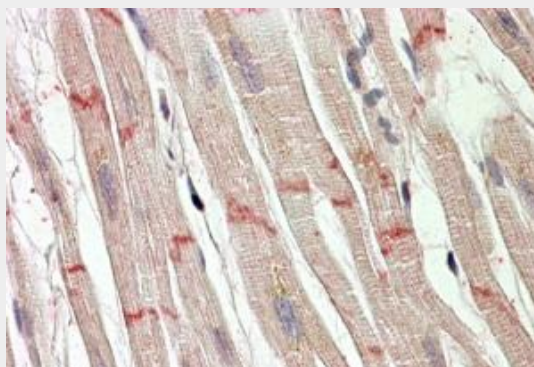
Expressed in oral mucosa (at protein level) (PubMed:30479852). Expressed in arrector pili muscle (at protein level) (PubMed:29034528). [Isoform DPII]: Resides predominantly in tissues and cells of stratified origin

Desmoplakin (aa 1672 -1684) Antibody (internal region) - 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](#)

Desmoplakin (aa 1672 -1684) Antibody (internal region) - Images



AF3249a (3.8 µg/ml) staining of paraffin embedded Human Heart. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Desmoplakin (aa 1672 -1684) Antibody (internal region) - Background

This antibody is expected to recognize reported isoform I (NP_004406.2) only.

Desmoplakin (aa 1672 -1684) Antibody (internal region) - References

Role of genetic testing in arrhythmogenic right ventricular cardiomyopathy/dysplasia.
Barahona-Dussault C, Benito B, Campuzano O, Iglesias A, Leung TL, Robb L, Talajic M, Brugada R,
Clinical genetics 2010 Jan 77 (1): 37-48. PMID: 19863551