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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}

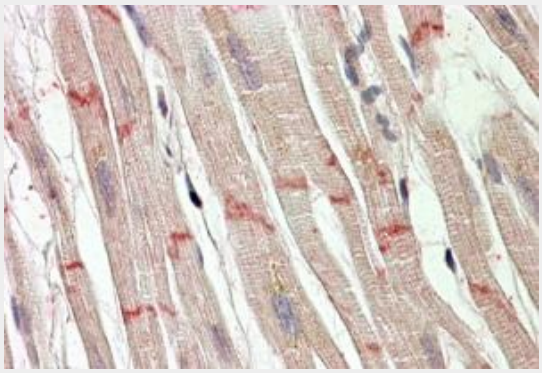
Tissue Location
Expressed in oral mucosa (at protein level) (PubMed:30479852). Expressed in arrector pili muscle (at protein level) (PubMed:29034528). [Isoform DPII]: Resides predominantly in tissues and cells of stratified origin

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 Cytomety
- 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