



Goat anti-Desmoplakin (aa 1672 -1684) Antibody

Item Number	dAP-2161
Target Molecule	Principle Name: Desmoplakin (aa 1672 -1684); Official Symbol: DSP; All Names and Symbols: DSP; desmoplakin; DPI; 250kDa paraneoplastic pemphigus antigen; desmoplakin I; Accession Number (s): NP_004406.2; Human Gene ID(s): 1832; Non-Human GeneID(s): 109620 (mouse) 306871 (rat)
Immunogen	QESVKQAHLRNEH, is from internal region This antibody is expected to recognize reported isoform I (NP_004406.2) only.
Applications	Pep ELISA, IHC Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 4000.
Western Blot	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 1µg/ml). We would appreciate any feedback from people in the field - have any results been
IHC	Immunohistochemistry: In paraffin embedded Human Heart shows staining of the junctions between cardio-muscular fibres. Recommended concentration, 3-6µg/ml.
Reference	Reference(s): Barahona-Dussault C, Benito B, Campuzano O, Iglesias A, Leung TL, Robb L, Talajic M, Brugada R, Role of genetic testing in arrhythmogenic right ventricular cardiomyopathy/dysplasia. Clinical genetics 2010 Jan 77 (1): 37-48..PMID: 19863551->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**