

Goat anti-Desmoglein 1 / DSG1 Antibody

Item Number	dAP-1900
Target Molecule	Principle Name: Desmoglein 1 / DSG1; Official Symbol: DSG1; All Names and Symbols: DSG1; desmoglein 1; CDHF4; DG1; DSG; desmosomal glycoprotein 1; pemphigus foliaceus antigen; Accession Number (s): NP_001933.2; Human Gene ID(s): 1828; Non-Human GenID(s):
Immunogen	YTTSDTLKPSVHVHD, is from internal region
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 32000.
Western Blot	Western Blot: Preliminary experiments in lysates of cell lines A431, HeLa, K562 and MOLT4 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?
IHC	Immunohistochemistry: In paraffin embedded Human Skin shows staining of the cellular membranes of keratinocytes. Recommended concentration, 4-6µg/ml.
Reference	Reference(s): Nilles L.A., Parry D.A., Powers E.E., Angst B.D., Wagner R.M., Green K.J Structural analysis and expression of human desmoglein: a cadherin-like component of the desmosome J. Cell Sci. 1991 Aug 99 (Pt 4): 809-21. PMID: 1770008->

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 end users! This product is sold for **Research Use Only**