

Datasheet for ABIN3030722

anti-Desmoglein 3 antibody (AA 981-999)**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Desmoglein 3 (DSG3)
Binding Specificity:	AA 981-999
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Desmoglein 3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Amino acids 981-999 (QLRGSHTMLCTEDPCSRLI-human) were used as the immunogen for this Desmoglein 3 antibody.
Isotype:	IgG
Purification:	Antigen affinity

Target Details

Target:	Desmoglein 3 (DSG3)
Alternative Name:	Desmoglein 3 (DSG3 Products)
Background:	Desmoglein 3 is also known as PVA (Pemphigus Vulgaris Antigen). Pemphigus vulgaris (PV) and pemphigus foliaceus (PF) are autoimmune diseases of the skin which have as target antigens two different members of the desmoglein subfamily of the desmosomal cadherins:

Target Details

pemphigus vulgaris antigen (PVA, or Desmoglein 3) in the case of PV and Desmoglein 1 in the case of PF. The DSG3 gene, like the genes for DSG1 and DSG2, is located on chromosome 18. The human DSG3 gene consists of 15 exons and spans more than 23 kb. DSG3 and DSG1 are the autoantigens of pemphigus vulgaris and pemphigus foliaceus, respectively. DSG3 and DSG1 are the target antigens in PNP, and IgG autoantibodies against DSG3 in PNP sera play a pathogenic role in the loss of keratinocyte adhesion and blistering.

UniProt: [P32926](#)

Application Details

Application Notes: The stated application concentrations are suggested starting amounts. Titration of the Desmoglein 3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 µg/mL

Restrictions: For Research Use only

Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

Storage Comment: After reconstitution, the Desmoglein 3 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



Western Blotting

Image 1. Western blot testing of Desmoglein 3 antibody and
Lane 1: A431



Western Blotting

Image 2. Western blot testing of Desmoglein 3 antibody and
Lane 1: A431; 2: CEM