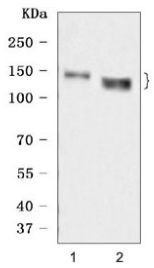
Desmoglein 3 Antibody (R30643)

Catalog No.	Formulation	Size
R30643	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P32926
Applications	Western blot: 0.5-1ug/ml
Limitations	This Desmoglein 3 antibody is available for research use only.



Desmoglein 3 Antibody WB. Western blot testing of human 1) A431 and 2) HACAT cell lysate with Desmoglein 3 antibody. Predicted molecular weight: 107 kDa but may be observed at higher molecular weights due to glycosylation.

Description

Desmoglein 3 Antibody detects Desmoglein 3, 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: 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.

Explore our Desmoglein 3 Antibody - Human Protein Microarray Validated Clone DSG3/2838 page for a broader view of DSG3 expression in stratified epithelia with supporting microarray specificity validation data.

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.

Immunogen

Amino acids 981-999 (QLRGSHTMLCTEDPCSRLI-human) were used as the immunogen for this Desmoglein 3 antibody.

Storage

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

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