

Rabbit anti-Human Desmoglein 3/PVA/DSG3 Polyclonal Antibody | anti-DSG3 antibody

Anti-Desmoglein 3/PVA/DSG3 Antibody Picoband

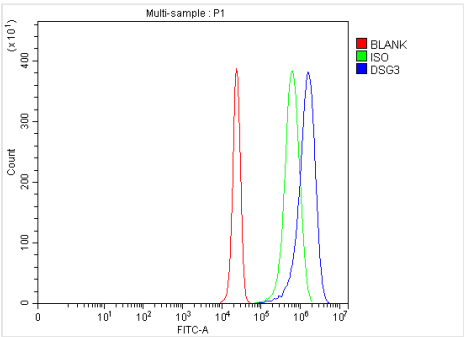
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126282	Rabbit	Human	Western Blot, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

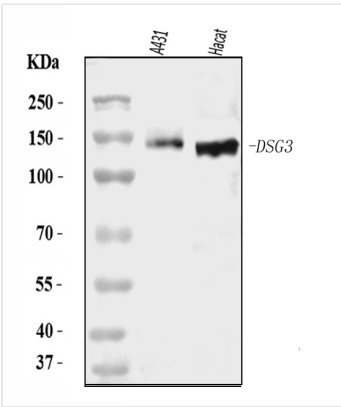
Desmoglein 3/PVA/DSG3; Polyclonal Antibody; Anti-Desmoglein 3/PVA/DSG3 Antibody Picoband; anti-DSG3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-DSG3 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), ELISA
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human Desmoglein 3/PVA/DSG3 recombinant protein (Position: R384-Q957).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of HepG2 cells using anti-Desmoglein 3/PVA/DSG3 antibody (AAA126282). Overlay histogram showing HepG2 cells stained with AAA126282 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Desmoglein 3/PVA/DSG3 Antibody (AAA126282, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)
Figure 1. Western blot analysis of Desmoglein 3/PVA/DSG3 using anti-Desmoglein 3/PVA/DSG3 antibody (AAA126282). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human A431 whole cell lysates, Lane 2: human Hacat whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Desmoglein 3/PVA/DSG3 antigen affinity purified polyclonal antibody (#AAA126282) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for Desmoglein 3/PVA/DSG3 at approximately 130 kDa. The expected band size for Desmoglein 3/PVA/DSG3 is at 130 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-DSG3 antibody	Desmoglein3 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 2 different members of the desmoglein subfamily of the desmosomal cadherins: pemphigus vulgaris antigen(PVA, or desmoglein-3) in the case of PV and desmoglein I 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.
Product Categories/Family for anti-DSG3 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	239938621
NCBI GeneID	1830
UniProt Accession #	P32926; A8K2V2
Molecular Weight	107,533 Da
NCBI Official Full Name	Desmoglein-3
NCBI Official Synonym Full Names	desmoglein 3
NCBI Official Symbol	DSG3
NCBI Official Synonym Symbols	PVA; CDHF6
NCBI Protein Information	desmoglein-3; cadherin family member 6; pemphigus vulgaris antigen; 130-kD pemphigus vulgaris antigen; 130 kDa pemphigus vulgaris antigen

UniProt Protein Name	Desmoglein-3
UniProt Gene Name	DSG3
UniProt Synonym Gene Names	CDHF6; PVA
UniProt Entry Name	DSG3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/desmoglein-3-pva-dsg3-antibody-western-blot-flow-cytometry-elisa/126282>