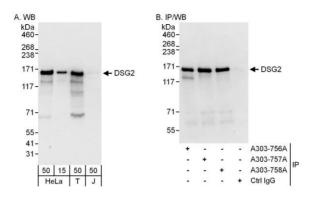
DSG2 Antibody **Rabbit Polyclonal** Protein ID Antigen Affinity Purified NP 001934.2 Catalog No. A303-756A GenelD 1829 Lot No. A303-756A-1 BOBA APPLICATIONS WB. IP SPECIES REACTIVITY Human AMOUNT 100 ul CONCENTRATION $1000 \,\mu g/ml$ STORAGE/SHELF LIFE 2 – 8° C / 1 year from date of receipt PHYSICAL STATE Liauid BUFFER Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide ISOTYPE IgG ORIGIN USA PRODUCTION Antibody was affinity purified using an epitope specific to DSG2 immobilized on solid support. PROCEDURES The epitope recognized by A303-756A maps to a region between residue 825 and 875 of human Desmoglein 2 using the numbering given in entry NP_001934.2 (GeneID 1829). Antibody concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG. APPLICATIONS Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use. Western Blot 1:2,000 - 1:10,000 Immunoprecipitation $2 - 10 \mu g/mg$ lysate **APPLICATION NOTES** Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. \$100-020), Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120-113P) and 4-8% SDS-PAGE (link to IP-western blot protocol in Additional Info section below). Western blot of lysates performed using standard western blot reagents and 4-8% SDS-PAGE. https://www.bethyl.com/product/A303-756A ADDITIONAL INFO Use the link above to view SDS, a current list of citations, and other product specific information. IP-western blot protocol: https://www.bethyl.com/content/protocol IP WB

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc. Eric McIntush, PhD | Chief Scientific Officer Date: June 21, 2019

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Detection of human DSG2 by western blot and immunoprecipitation. *Samples:* Whole cell lysate from HeLa (15 and 50 µg for WB; 1 mg for IP, 20% of IP loaded), HEK293T (T; 50 µg) and Jurkat (J; 50 µg) cells. *Antibodies:* Affinity purified rabbit anti–DSG2 antibody A303–756A used for WB at 0.1 µg/ml (A) and 1 µg/ml (B) and used for IP at 6 µg/mg lysate. DSG2 was also immunoprecipitated by rabbit anti–DSG2 antibodies A303–757A and A303–758A, which recognize downstream epitopes. *Detection:* Chemiluminescence with exposure times of 10 seconds (A) and 3 seconds (B).

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