

Rabbit anti-Human Desmoglein-2 Polyclonal Antibody | anti-DSG2 antibody

Anti-Desmoglein-2 Antibody, Rabbit Polyclonal

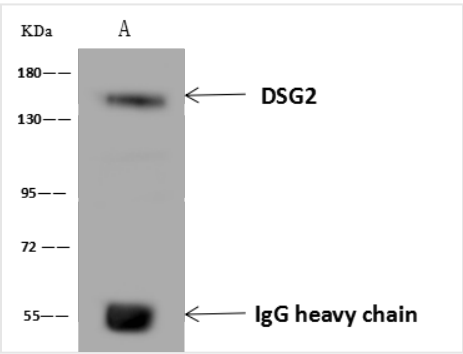
CATALOG # AAA257764	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

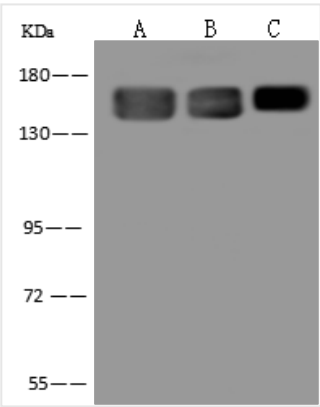
Desmoglein-2; Polyclonal Antibody; Anti-Desmoglein-2 Antibody; Rabbit Polyclonal; Desmoglein-2/DSG2 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-ARVC10 Antibody; Anti-ARVD10 Antibody; Anti-CDHF5 Antibody; Anti-CMD1BB Antibody; Anti-HDGC Antibody; desmoglein 2; anti-DSG2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human Desmoglein-2/DSG2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid. PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-DSG2 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	E Coli-derived Human Desmoglein-2/DSG2 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human Desmoglein-2/DSG2 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles. This antibody is shipped as liquid solution at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.



IP (Immunoprecipitation)
DSG2 was immunoprecipitated using: Lane A: 0.5 mg HepG2 Whole Cell Lysate 4 uL anti-DSG2 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-DSG2 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 122 kDa. Observed band size: 171 kDa.



WB (Western Blot)
Anti-Desmoglein-2 rabbit polyclonal antibody at 1:500 dilution. Lane A: HepG2 Whole Cell Lysate. Lane B: HeLa Whole Cell Lysate. Lane C: Jurkat Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 122 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-DSG2 antibody

Background: Desmoglein-2 (Dsg2) is a specific cadherin of the cell-cell contact in cardiac desmosomes. Mutations in the DSG2-gene are regarded to cause arrhythmogenic (right ventricular) cardiomyopathy (ARVC) which is a rare but severe heart muscle disease. The depletion of DSG2 markedly decreased hPSC proliferation and pluripotency marker expression. In addition, DSG2-negative population in hPSCs exhibited a notable suppression in embryonic body and teratoma formation. The actions of DSG2 in regulating the self-renewal and pluripotency of hPSCs were predominantly exerted through the regulation of beta-catenin/Slug-mediated epithelial-to-mesenchymal transition. Which demonstrate that DSG2 is a valuable PSC surface marker that is essential for the maintenance of PSC self-renewal.

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.