

bsm-54310R**[Primary Antibody]****Desmoglein 2 Recombinant Rabbit mAb****BioSS**
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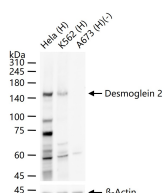
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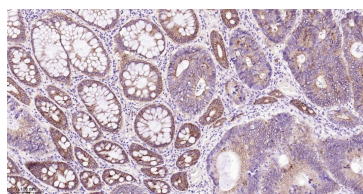
DATASHEET**Host:** Rabbit**Clonality:** Recombinant**GeneID:** 1829**Target:** Desmoglein 2**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Store at -20°C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4°C.

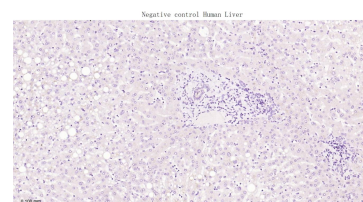
Background: Desmosomes are cell-cell junctions between epithelial, myocardial, and certain other cell types. Desmoglein 2 is a calcium-binding transmembrane glycoprotein component of desmosomes in vertebrate epithelial cells. Currently, three desmoglein subfamily members have been identified and all are members of the cadherin cell adhesion molecule superfamily. These desmoglein gene family members are located in a cluster on chromosome 18. This second family member is expressed in colon, colon carcinoma, and other simple and stratified epithelial-derived cell lines.

Isotype: IgG**CloneNo.:** 7D6**SWISS:** Q14126**Applications:** WB (1:500-2000)**IHC-P** (1:50-200)**IHC-F** (1:50-200)**IF** (1:50-200)**Flow-Cyt** (1:50-100)**ICC/IF** (1:50-200)**Reactivity:** Human**Predicted MW.:** 150 kDa**Subcellular Location:** Cell membrane**VALIDATION IMAGES**

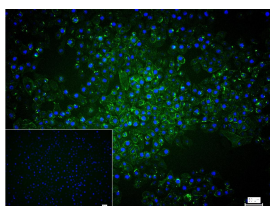
25 ug total protein per lane of various lysates (see on figure) probed with Desmoglein 2 monoclonal antibody, unconjugated (bsm-54310R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



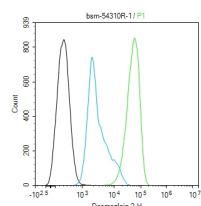
Paraformaldehyde-fixed, paraffin embedded Human Colon Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Desmoglein 2 Monoclonal Antibody, Unconjugated (bsm-54310R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



(Negative control) Paraformaldehyde-fixed, paraffin embedded Human Liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Desmoglein 2 Monoclonal Antibody, Unconjugated (bsm-54310R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



4% Paraformaldehyde-fixed HepG2 (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (Desmoglein 2) monoclonal Antibody, unconjugated (bsm-54310R) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-60295G-BF488) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the



The HepG2 (H) cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, the cells then were incubated in 5% BSA to block non-specific protein-protein interactions (30 min at r.t.). Primary Antibody (green): Rabbit Anti-Desmoglein 2 antibody (bsm-54310R, 1:100); Secondary Antibody (white blue): Goat anti-

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

primary antibody was used as the blank control.

Rabbit IgG-BF488 (bs-60295G-BF488): 1 µg/test.
Blank control (black): PBS. Acquisition of 20,000
events was performed.