

Anti-Desmoglein 2 Antibody (4J535)

Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 150 kDa. Actual: 160 kDa.
Clone:	4J535
Purification:	Protein A purified

Applications

Verified Activity:	<p>1. 4% Paraformaldehyde-fixed HepG2 (H) cell; Triton X-100 at r. T. for 20 min; Antibody incubation with (Desmoglein 2) monoclonal Antibody, unconjugated (TMAB-05101) 1: 100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, BF488) at 37°C for 90 min, DAPI (blue) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.</p> <p>2. 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 (TMAB-05101, 1: 100); Secondary Antibody (white blue): Goat anti-Rabbit IgG-BF488 (BF488): 1 µg/test. Blank control (black): PBS. Acquisition of 20,000 events was performed.</p> <p>3. 25 ug total protein per lane of various lysates (see on figure) probed with Desmoglein 2 monoclonal antibody, unconjugated (TMAB-05101) at 1: 1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.</p>
Application:	FCM,ICC/IF,WB
Recommended	FCM=1:50-100; ICC/IF=1:50-200; WB=1:500-2000

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: protein within C-terminal human Desmoglein 2
Antigen Species:	Human
Gene ID:	1829
Uniprot ID:	Q14126

Research 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

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second family member is expressed in colon, colon carcinoma, and other simple and stratified epithelial-derived cell lines.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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