

## 36-2176: Anti-Desmoglein-1 (DSG1) Monoclonal Antibody(Clone: 32-2B)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	32-2B
<b>Application :</b>	IHC
<b>Reactivity :</b>	Human
<b>Gene :</b>	DSG1
<b>Gene ID :</b>	1828
<b>Uniprot ID :</b>	Q02413
<b>Alternative Name :</b>	Cadherin family member 4; CDHF4; Desmoglein-1; Desmosomal glycoprotein 1; DG1; DSG1; EPKHE; EPKHIA; Pemphigus foliaceus antigen; PPKS1; SPPK1
<b>Isotype :</b>	Mouse IgG2a, kappa
<b>Immunogen Information :</b>	Bovine desmoglein (desmosomal glyco protein I) from nasal epidermis.

### Description

Recognizes a protein of ~150kDa, identified as Desmoglein-1 (DSG1). Desmoglein-1 is a member of the desmosomal cadherin family. Desmosomes are intercellular adhering junctions that represent cell surface attachment sites for intermediate filament. Desmocollins and desmogleins are the main desmosomal transmembrane proteins. Desmogleins consist of Dsg1, Dsg2, Dsg3, and Dsg4 isoforms. Within the desmosome, the extracellular domain of desmoglein is essential for calcium dependent heterophilic binding to the desmocollins, whereas the intracellular domain is essential for binding to the desmosomal plaque protein, plakoglobin. Desmoglein 1 is synthesized exclusively in the suprabasal layers. Intact and functionally active desmoglein 1 is essential to epidermal integrity.

### Product Info

<b>Amount :</b>	20 µg / 100 µg
<b>Content :</b>	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
<b>Storage condition :</b>	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

### Application Note

Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes);

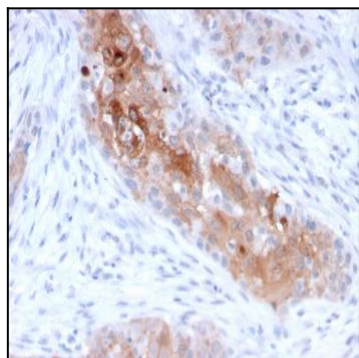


Fig. 1: Formalin-fixed, paraffin-embedded human Bladder Carcinoma stained with Desmoglein-1 Mouse Monoclonal Antibody (32-2B).

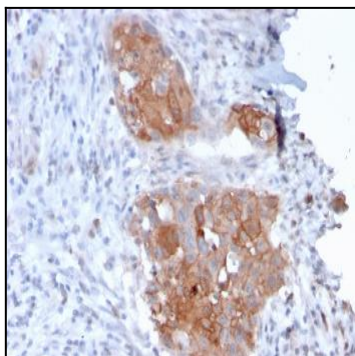


Fig. 2: Formalin-fixed, paraffin-embedded human Bladder Carcinoma stained with Desmoglein-1 Mouse Monoclonal Antibody (32-2B).

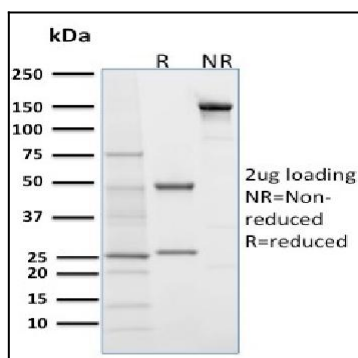


Fig. 3: SDS-PAGE Analysis Purified Desmoglein-1 Mouse Monoclonal Antibody (32-2B). Confirmation of Purity and Integrity of Antibody.