

Datasheet for ABIN6939265  
**anti-Desmoglein 1 antibody**

## 3 Images

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## Overview

Quantity:	100 µg
Target:	Desmoglein 1 (DSG1)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

## Product Details

Immunogen:	Bovine desmoglein (desmosomal glyco protein I) from nasal epidermis.
Clone:	32-2B
Isotype:	IgG2a kappa
Specificity:	Recognizes a protein of ~150 kDa, 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.
Purification:	Purified by Protein A/G

## Target Details

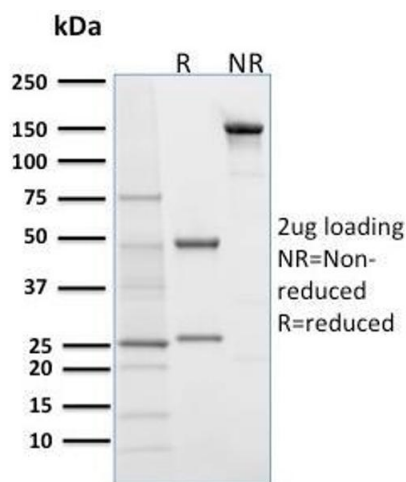
Target:	Desmoglein 1 (DSG1)
Alternative Name:	DSG1 ( <a href="#">DSG1 Products</a> )
Molecular Weight:	150kDa (precursor), 160kDa (mature)
Gene ID:	1828
UniProt:	<a href="#">Q02413</a>
Pathways:	<a href="#">Cell-Cell Junction Organization</a>

## Application Details

Application Notes:	Positive Control: Bladder, skin or melanoma. Known Application: Immunohistochemistry (Formalin-fixed) (0.5-1 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

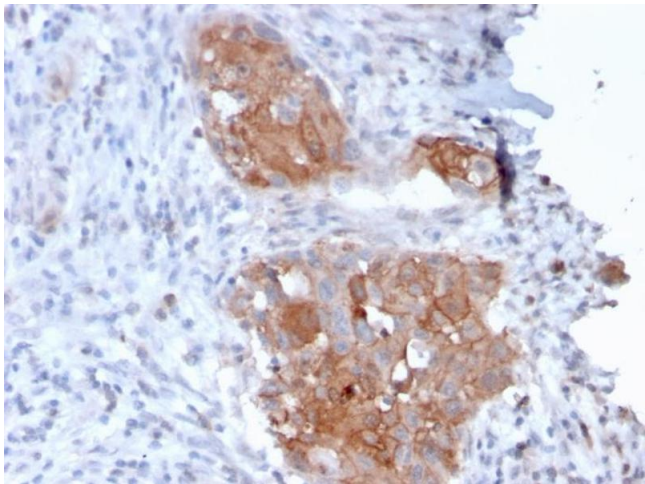
## Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	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. No MSDS required.
Expiry Date:	24 months



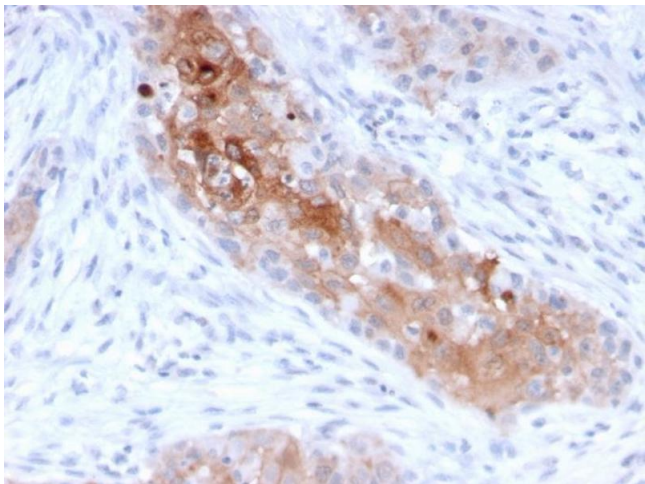
SDS-PAGE

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



Immunohistochemistry

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



Immunohistochemistry

**Image 3.** Formalin-fixed, paraffin-embedded human Bladder Carcinoma stained with Desmoglein-1 Mouse Monoclonal Antibody (32-2B).