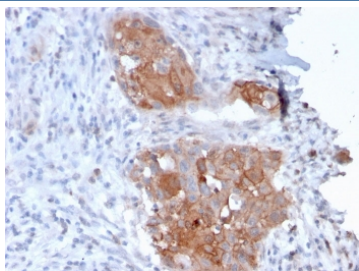


Desmoglein 1 Antibody / DSG1 [clone 32-2B] (V7720)

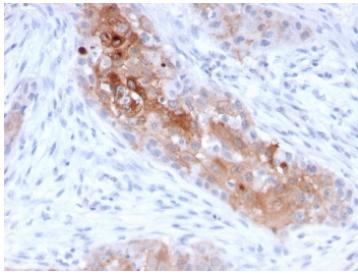
Catalog No.	Formulation	Size
V7720-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7720-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7720SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

[Bulk quote request](#)

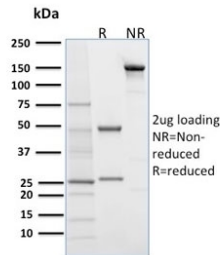
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	32-2B
Purity	Protein G affinity chromatography
UniProt	Q02413
Localization	Cell surface, cytoplasmic
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This Desmoglein 1 antibody is available for research use only.



IHC testing of FFPE human bladder carcinoma with Desmoglein 1 antibody (clone 32-2B). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min.



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SDS-PAGE analysis of purified, BSA-free Desmoglein 1 antibody (clone 32-2B) as confirmation of integrity and purity.

Description

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.

Application Notes

Optimal dilution of the Desmoglein 1 antibody should be determined by the researcher.

Immunogen

Bovine desmoglein (desmosomal glyco protein I) from nasal epidermis was used as the immunogen for the Desmoglein 1 antibody.

Storage

Store the Desmoglein 1 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).