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anti-Desmoglein 1 antibody



Image



Go to Product page

Overview

Quantity:	100 μg
Target:	Desmoglein 1 (DSG1)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Desmoglein 1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

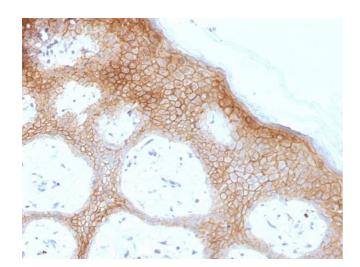
Product Details

Immunogen:	Recombinant human desmoglein-1 protein fragment corresponding to intracellular domain
Clone:	DSG1-1733
Isotype:	IgG1 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.

Product Details Purified by Protein A/G Purification: Target Details Desmoglein 1 (DSG1) Target: Alternative Name DSG1 (DSG1 Products) Molecular Weight: 150kDa (precursor), 160kDa (mature) Gene ID: 1828 UniProt: Q02413 Pathways: Cell-Cell Junction Organization **Application Details** Positive Control: A431 or A-375 cells. Skin. Application Notes: 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 Tris buffer with 1 mM EDTA, pH 8.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined. For Research Use only Restrictions: 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. 4 °C,-80 °C Storage: 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.

24 months

Expiry Date:



Immunohistochemistry

Image 1. Formalin-fixed, paraffin-embedded human skin stained with Desmoglein-1 Monoclonal Antibody (DSG1/1733).