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Datasheet for ABIN2191994 anti-Desmoglein 2 antibody

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Overview

Quantity:	100 µg
Target:	Desmoglein 2 (DSG2)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Desmoglein 2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Clone:	6D8
lsotype:	lgG1
Cross-Reactivity (Details):	Cross reactivity: Human desmoglein-1 : No, Human desmoglein-3 : No
Sterility:	0.2 µm filtered

Target Details

Target:	Desmoglein 2 (DSG2)
Alternative Name:	Desmoglein-2 (DSG2 Products)
Background:	The monoclonal antibody 6D8 recognizes the extracellular domain of human desmoglein-2. Desmogleins and desmocollins are members of the cadherin family of transmembrane
	proteins that together make up the core of the desmosome, a structure that provides
	transmembrane strength to tissues undergoing mechanical stress. The desmosomal

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN2191994 | 09/11/2023 | Copyright antibodies-online. All rights reserved. cadherins, desmogleins and desmocollins, mediate calcium-dependent cell-cell adhesion by forming homotypic and heterotypic interactions with one another. The multiprotein desmosomal complex also includes the cytoplasmic desmosomal plaque proteins plakoglobin, phakophilins, and desmoplakin, which bind to the intracellular domain of the desmogleins and function to anchor the keratin intermediate filament network to site of cell-cell contacts. In human, four desmogleins have been identified (Dsg1-4). Desmogleins are synthesized with a signal peptide that directs them to the endoplasmic reticulum and a proregion that is removed during protein processing. The mature protein includes four highly conserved extracellular domains (EC 1-4) and a fifth membrane proximal, more variable EC domain that is referred to as the "extracellular anchor domain. Desmoglein-2 is expressed on various cells including simple epithelia and myocardium, tumors and and many cell cultures. Desmogleins play critical roles in cell adhesion and skin blistering diseases, as they are the target antigens of autoimmune antibodies and bacterial toxins. Desmosomal dysfunction has been implicated in a number of diseases, including striate palmoplantar keratoderma, skin fragility, and ectodermal dysplasia, and most recently arrhythmic right ventricular cardiomyopathy (ARVC). Aliases Dsg2, Cadherin family member 5, HDGC Immunogen Extracellular EC4 domain

Pathways:

Cell-Cell Junction Organization

Application Notes:	For immune fluorescence and Western blotting, dilutions to be used depend on detection
	system applied. It is recommended that users test the reagent and determine their own optimal
	dilutions. The typical starting working dilution is 1:10. Positive A431 Cells control
Restrictions:	For Research Use only
Handling	
Buffer:	PBS, containing 0.1 % bovine serum albumin and 0.02 % sodium 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
Storage Comment:	Product should be stored at 4 °C. Under recommended storage conditions, product is stable for at least one year. The exact expiry date is indicated on the label.

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