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Datasheet for ABIN6937104
anti-Desmocollin 2 antibody (Extracellular Domain)

Overview

Quantity:	100 µg
Target:	Desmocollin 2 (DSC2)
Binding Specificity:	Extracellular Domain
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Desmocollin 2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Human desmocollin-2 extracellular domain
Clone:	7G6
Isotype:	IgG1 kappa
Specificity:	Desmosomes are intercellular adhering junctions that represent cell surface attachment sites for intermediate filament. The desmosome is subdivided into two regions. The plaque region lies adjacent to the plasma, and is believed to contain molecules that attach the intermediate filament cytoskeleton to the desmosome. The core region is composed of transmembrane glycoproteins that are thought to mediate cell-cell adhesion. Desmogleins and desmocollins are the main desmosomal transmembrane proteins. These desmosomal glycoproteins belong to the members of the cadherin family of adhesion molecules. Three different isoforms of both

Product Details

desmogleins and desmocollins have been identified, named as desmoglein 1-3 and desmocollins. Desmosomal cadherins showed differentiation-specific expression in the human epidermis, although the functional significance of this differential expression is not fully understood. Desmocollin-1 can be found in the upper layers. The expression of desmocollin-2 varies in the basal and suprabasal layers. And desmocollin-3 is expressed more evenly throughout the suprabasal layers.

Cross-Reactivity (Details): Human. Mouse. Rat.

Purification: 1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target: Desmocollin 2 (DSC2)

Alternative Name: DSC2 ([DSC2 Products](#))

Background: ARVD11, Cadherin family member 2, CDHF2, Desmocollin-2, Desmocollin-3, Desmosomal glycoprotein II and III, Desmosomal glycoprotein II, Desmosomal glycoprotein III, DG2, DGII/III, DSC2, DSC3, Desmocollin-2/3
Cellular localisation: Cell surface

Molecular Weight: 110kDa (DSC2), 100kDa (DSC3)

Gene ID: 1824, 95612

UniProt: [Q02487](#)

Application Details

Application Notes: Known_Application: Flow Cytometry (1-2 µg/million cells), Immunofluorescence (1-2 µg/mL), Western Blot (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.
Positive_Control: HeLa cells. Skin tissue.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Handling

Buffer:	Prepared in 10 mM PBS, WITHOUT BSA and Azide.
Preservative:	Azide free
Storage:	-20 °C,-80 °C
Storage Comment:	Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.
Expiry Date:	24 months