

Datasheet for ABIN6939250

anti-Desmocollin 2 antibody (Extracellular Domain)**3** Images[Go to Product page](#)

Overview

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

Product Details

Immunogen:	Human desmocollin-2 extracellular domain
Clone:	7G6
Isotype:	IgG1 kappa
Purification:	Purified by Protein A/G

Target Details

Target:	Desmocollin 2 (DSC2)
Alternative Name:	DSC2 (DSC2 Products)
Background:	Desmosomes are intercellular adhering junctions that represent cell surface attachment sites

Target Details

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 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.

Molecular Weight:	110kDa (DSC2), 100kDa (DSC3)
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Gene ID:	1824
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UniProt:	Q02487
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Application Details

Application Notes:	Positive Control: HeLa cells. Skin tissue. Known Application: Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (1-2 µg/mL), Western Blot (0.5-1.0 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.
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Restrictions:	For Research Use only
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Handling

Concentration:	200 µg/mL
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Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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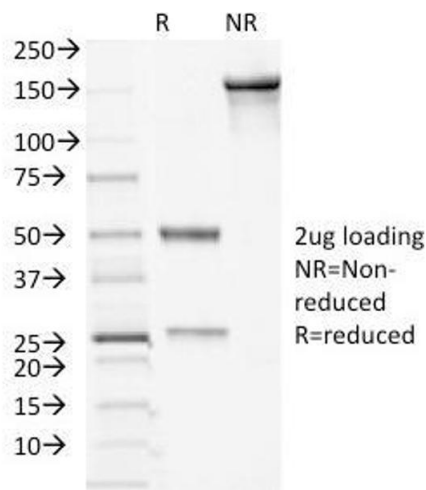
Storage:	4 °C, -80 °C
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Handling

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.

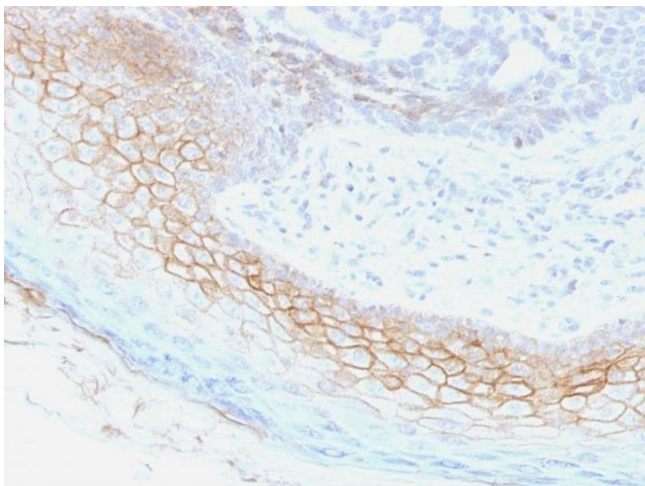
Expiry Date: 24 months

Images



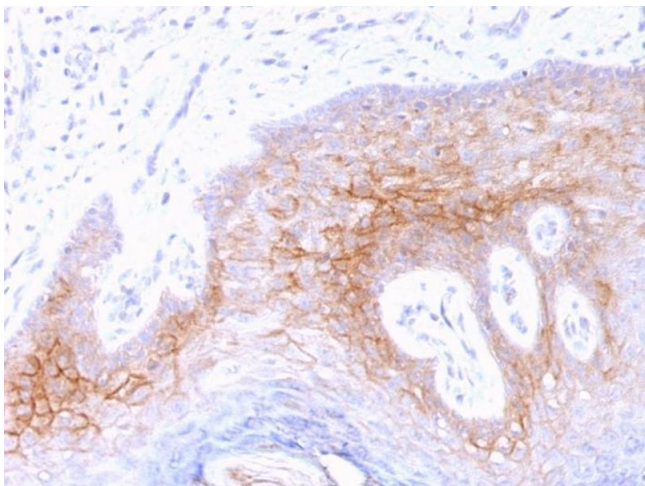
SDS-PAGE

Image 1. SDS-PAGE Analysis Purified Desmocollin-2/3 Mouse Monoclonal Antibody (7G6). Confirmation of Purity and Integrity of Antibody.



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Skin stained with Desmocollin-2/3 Mouse Monoclonal Antibody (7G6).



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Skin stained with Desmocollin-2/3 Mouse Monoclonal Antibody (7G6).