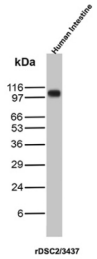
Recombinant Desmocollin 2/3 Antibody [clone rDSC2/3437] (V7717)

Catalog No.	Formulation	Size
V7717-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7717-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7717SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

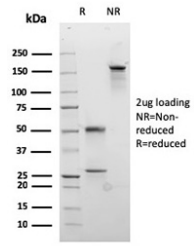
Recombinant MOUSE MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rDSC2/3437
Purity	Protein G affinity chromatography
UniProt	Q02487
Applications	ELISA (order BSA-free format for coating) Western blot: 2-4ug/ml
Limitations	This recombinant Desmocollin 2/3 antibody is available for research use only.



Desmocollin-2/3 Antibody Human Intestine WB. Western blot analysis of human intestine lysate using a recombinant monoclonal Desmocollin-2/3 antibody detecting DSC2 and DSC3, clone rDSC2/3437. A band is detected at approximately 95-110 kDa, consistent with the expected molecular weight of desmocollin proteins, which are calcium-dependent desmosomal cadherins expressed in epithelial tissues. The observed size range reflects known post-translational processing and glycosylation associated with these membrane adhesion proteins in intestinal epithelium.



SDS-PAGE analysis of purified, BSA-free recombinant Desmocollin 2/3 antibody (clone rDSC2/3437) as confirmation of integrity and purity.

Description

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 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.

Explore our Desmocollin-2/3 Antibody - Desmosomal Adhesion and Epithelial Integrity Marker page for a broader overview of DSC2 and DSC3 expression across epithelial tissues and disease contexts.

Application Notes

Optimal dilution of the recombinant Desmocollin 2/3 antibody should be determined by the researcher.

Immunogen

Recombinant full-length human DSC2 protein was used as the immunogen for this recombinant Desmocollin 2/3 antibody.

Storage

Store the recombinant Desmocollin 2/3 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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