

For Research Use Only

DSG2 Monoclonal antibody, PBS Only



Catalog Number: 68515-1-PBS

Basic Information

Catalog Number:

68515-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG20633

GenBank Accession Number:

BC099655

GeneID (NCBI):

1829

UNIPROT ID:

Q14126

Full Name:

desmoglein 2

Calculated MW:

1118 aa, 122 kDa

Observed MW:

145-150 kDa

Purification Method:

Protein G purification

CloneNo.:

1B8C3

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

Human

Background Information

Desmosomes are cell-cell junctions between epithelial, myocardial, and certain other cell types. Desmosomal cadherins, consisting of four desmogleins (DSG1-4) and three desmocollins (DSC1-3) in humans, mediate adhesion through calcium-dependent homophilic/heterophilic interactions. DSG2 is a single-pass transmembrane glycoprotein that is widely expressed in epithelial and non-epithelial tissues, such as the intestine, epidermis, testis, and heart (PMID:21715983). Defects in DSG2 are the cause of familial arrhythmogenic right ventricular dysplasia type 10 (ARVD10), and genetic variations in DSG2 are the cause of susceptibility to cardiomyopathy dilated type 1BB (CMD1BB).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

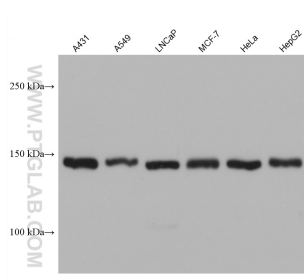
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68515-1-Ig (DSG2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68515-1-PBS in a different storage buffer formulation.