

For Research Use Only

DSG2 Monoclonal antibody

Catalog Number: 68515-1-Ig



Basic Information

Catalog Number:

68515-1-Ig

Size:

150ul, Concentration: 1000 ug/ml by Nanodrop;

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

Recommended Dilutions:

WB 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human

Positive Controls:

WB : A431 cells, K-562 cells, A549 cells, LNCaP cells, MCF-7 cells, HeLa cells, HepG2 cells

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 -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

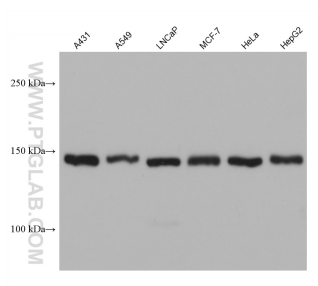
For technical support and original validation data for this product please contact:

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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.