

For Research Use Only

CoraLite® Plus 488-conjugated DSG2 Polyclonal antibody



Catalog Number: CL488-21880

Featured Product

Basic Information

Catalog Number: CL488-21880	GenBank Accession Number: BC099655	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 1829	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	Full Name: desmoglein 2	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG	Calculated MW: 1118 aa, 122 kDa	
Immunogen Catalog Number: AG16393	Observed MW: 145-150 kDa	

Applications

Tested Applications: IF	Positive Controls: IF : A431 cells,
Species Specificity: human, mouse, rat	

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

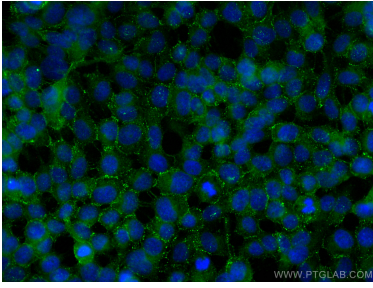
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using Coralite® Plus 488 DSG2 antibody (CL488-21880) at dilution of 1:200.