

For Research Use Only

# DSG2 Monoclonal antibody, PBS Only (Capture)

Catalog Number: 68515-1-PBS



## Basic Information

Catalog Number: 68515-1-PBS	GenBank Accession Number: BC099655	Purification Method: Protein A purification
Size: 1mg/ml	GeneID (NCBI): 1829	CloneNo.: 1B8C3
Source: Mouse	UNIPROT ID: Q14126	
Isotype: IgG1	Full Name: desmoglein 2	
Immunogen Catalog Number: AG20633	Calculated MW: 1118 aa, 122 kDa	
	Observed MW: 145-150 kDa	

## Applications

**Tested Applications:**  
WB, Cytometric bead array, 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.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS Only

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

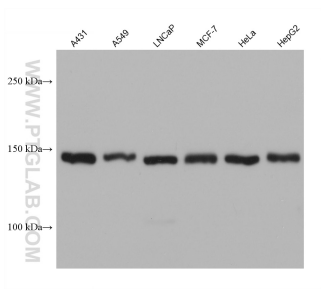
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

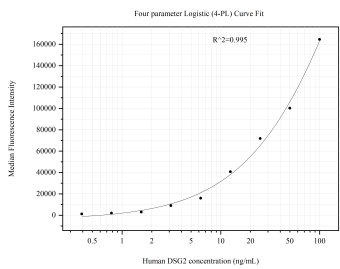
W: [ptgcn.com](http://ptgcn.com)

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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.



Cytometric bead array standard curve of MP51241-1, DSG2 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 68515-1-PBS. Detection antibody: 68515-2-PBS. Standard: Ag20633. Range: 0.391-100 ng/mL.