

For Research Use Only

Desmocollin 2 Monoclonal antibody

Catalog Number: 60239-1-Ig **5 Publications**



Basic Information

Catalog Number: 60239-1-Ig	GenBank Accession Number: BC063291	Purification Method: Protein A purification
Size: 150ul , Concentration: 1200 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 1824	CloneNo.: 1H8G1
Source: Mouse	UNIPROT ID: Q02487	Recommended Dilutions: WB 1:1000-1:4000 IF-P 1:200-1:800
Isotype: IgG2a	Full Name: desmocollin 2	
Immunogen Catalog Number: AG5450	Calculated MW: 100 kDa	
	Observed MW: 110 kDa	

Applications

Tested Applications: WB, IF-P, ELISA	Positive Controls:
Cited Applications: WB, IF	WB : HEK-293 cells, Raji cells
Species Specificity: human, mouse, rat	IF-P : mouse heart tissue, rat heart tissue
Cited Species: human	

Background Information

Desmocollin 2 (DSC2) is a member of the desmocollin subfamily of the cadherin superfamily. The desmocollins (DSC1-3), along with the desmogleins (DSG1-4), are found primarily in epithelia and cardiac muscle where they constitute the adhesive proteins of the intercellular desmosome junctions and are required for cell adhesion and desmosome formation. Mutations in DSC2 gene are associated with arrhythmogenic right ventricular dysplasia-11.

Notable Publications

Author	Pubmed ID	Journal	Application
Maitreyi Rathod	38477878	J Cell Biol	WB
Wenjuan Yang	35284624	Mol Ther Oncolytics	WB
Marie-Therès Wanuske	33354837	Acta Physiol (Oxf)	WB

Storage

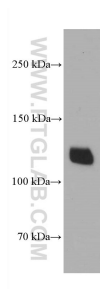
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

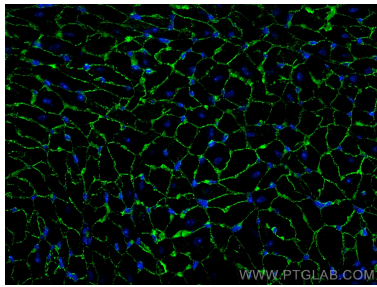
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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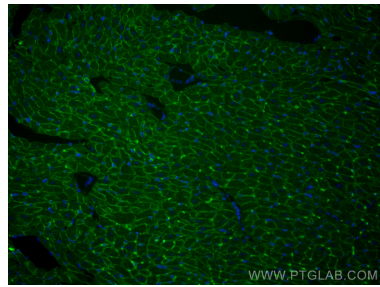
Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 60239-1-Ig (Desmocollin 2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse heart tissue using Desmocollin 2 antibody (60239-1-Ig, Clone: 1H8G1) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded rat heart tissue using Desmocollin 2 antibody (60239-1-Ig, Clone: 1H8G1) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).