

For Research Use Only

# Desmocollin 2 Monoclonal antibody



Catalog Number: 60239-1-Ig **3 Publications**

## Basic Information

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

## Applications

<b>Tested Applications:</b> FC, WB, ELISA	<b>Positive Controls:</b> WB : HEK-293 cells, Raji cells
<b>Cited Applications:</b> IF, IP, WB	
<b>Species Specificity:</b> human, mouse	
<b>Cited Species:</b> 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
Ling Leng	32967725	Stem Cell Res Ther	IF
Hiroki Takeuchi	31697789	PLoS Pathog	WB
Marie-Therès Wanuske	33354837	Acta Physiol (Oxf)	WB, IP

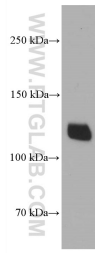
## Storage

**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

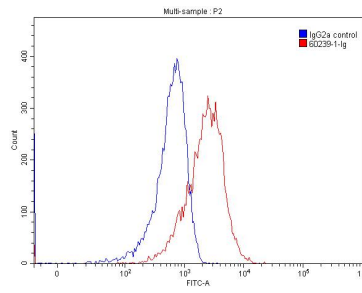
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## Selected Validation Data



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.



1X10<sup>6</sup> HEK-293 cells were stained with 0.20ug Desmocollin 2 antibody (60239-1-Ig, red) and control antibody (blue). Fixed with 90% MeOH.