

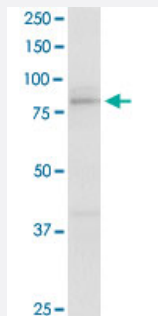
MaxPab®

## DSC2 MaxPab rabbit polyclonal antibody (D01)

Catalog # H00001824-D01

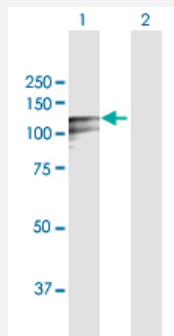
Size 100 uL

### Applications



#### Western Blot (Tissue lysate)

DSC2 MaxPab rabbit polyclonal antibody. Western Blot analysis of DSC2 expression in human stomach.

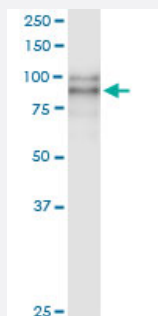


#### Western Blot (Transfected lysate)

Western Blot analysis of DSC2 expression in transfected 293T cell line ([H00001824-T02](#)) by DSC2 MaxPab polyclonal antibody.

Lane 1: DSC2 transfected lysate(93.8 KDa).

Lane 2: Non-transfected lysate.



#### Immunoprecipitation

Immunoprecipitation of DSC2 transfected lysate using anti-DSC2 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with DSC2 purified MaxPab mouse polyclonal antibody (B01P) ([H00001824-B01P](#)).

### Specification

#### Product Description

Rabbit polyclonal antibody raised against a full-length human DSC2 protein.

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Immunogen</b>               | DSC2 (NP_004940.1, 1 a.a. ~ 847 a.a) full-length human protein.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Sequence</b>                | <p>MEAARPSGSWNGALCRLLLTLAILIFASDACKNVTLVHPSKLD AEKLVGRVNLKECFTAANLIHS</p> <p>SDPDFQILEDG SVYTTNTILLSSEKRSFTILLSNTENQEKKKIFVFLEHQTKVLKKRHTKEKVLRRAK</p> <p>RRWAPIPCSMLENSLGPFPLFLQQVQSDTAQNYTIYYSIRGPGVDQEPRNLFYVERDTGNLYCTR</p> <p>VDREQYESFEIIAFATTPDGYTPELPLPLIKIEDENDNYPIFTEETYFTIFENCRVGTTVGQVCATDK</p> <p>DEPDTMHTRLKYSIIGQVPPSPTLFSMHPTTGVTITSSQLDRELIDKYQLKIKVQDMDGQYFGLQTT</p> <p>STCIINDDVDNHLPTFTRTSYVTSVEENTVDVEILRVTVEDKDLVNTANWRANYTILKGNENGNFKIV</p> <p>TDAKTNEGVLCVVKPLNYEEKQQMILQIGVVNEAPFSREASPRSAMSTATVTVNVEDQDEGPEC</p> <p>NPPIQTVRMKENAEVGTTSNGYKAYDPETRSSSGIRYKKLTDPTGWVTIDENTGSIKVFRSLDREA</p> <p>ETIKNGYNITVLASDQGGRTCTGTLGILQDVNDNSPFIKKTVICKPTMSSAENAVDPDEPIHGPP</p> <p>FDFSLESSTSEVQRMWRLKAINDTAARLSYQNDPPFGSYVVPITVRDRLGMSSVTSLDVTLCDCT</p> <p>ENDCTHRVDPRIGGGGVQLGKWAILLAILLFCILFTLVCGASGTSKQPKVIPDDLAQQNLVSN</p> <p>TEAPGDDKVYSANGFTTQTVGASAQGVCGTVGSGIKNGGQETIEMVKGGHQTSESCRGAGHHHT</p> <p>LDSCRGGHTEVDNCRYTYSEWSFTQPRLGEESIRGHTLIKN</p> |
| <b>Host</b>                    | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Reactivity</b>              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Quality Control Testing</b> | Antibody reactive against mammalian transfected lysate.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Storage Buffer</b>          | No additive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Storage Instruction</b>     | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

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[Protocol Download](#)

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[Protocol Download](#)

## Gene Info — DSC2

Entrez GeneID [1824](#)

GeneBank Accession# [NM\\_004949.2](#)

Protein Accession# [NP\\_004940.1](#)

Gene Name DSC2

Gene Alias ARVD11, CDHF2, DG2, DGI/III, DKFZp686I11137, DSC3

Gene Description desmocollin 2

Omim ID [125645 610476](#)

Gene Ontology [Hyperlink](#)

**Gene Summary**

The protein encoded by this gene is a calcium-dependent glycoprotein that is a member of the desmocollin subfamily of the cadherin superfamily. These desmosomal family members, along with the desmogleins, are found primarily in epithelial cells where they constitute the adhesive proteins of the desmosome cell-cell junction and are required for cell adhesion and desmosome formation. The desmosomal family members are arranged in two clusters on chromosome 18, occupying less than 650 kb combined. Mutations in this gene are associated with arrhythmogenic right ventricular dysplasia-11. Alternative splicing results in two transcript variants encoding distinct isoforms. [provided by RefSeq]

**Other Designations** desmosomal glycoprotein II/III

## Pathway

- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)

## Disease

- [Arrhythmias](#)
- [Arrhythmogenic Right Ventricular Dysplasia](#)
- [Cardiomyopathy](#)
- [Genetic Predisposition to Disease](#)