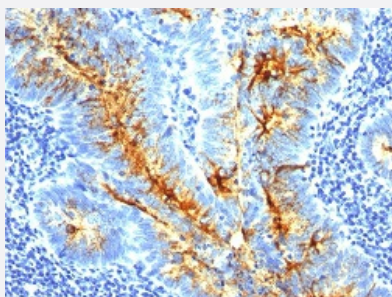


# DSG1 monoclonal antibody, clone CC49

Catalog # MAB12146      Size 100 ug

## Applications



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human colon cancer stained with DSG1 monoclonal antibody, clone CC49 (Cat # MAB12146).

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against human DSG1.
<b>Immunogen</b>	Purified human DSG1 protein.
<b>Host</b>	Mouse
<b>Theoretical MW (kDa)</b>	220
<b>Reactivity</b>	Human, Rat
<b>Form</b>	Liquid
<b>Purification</b>	Protein A/G purification
<b>Isotype</b>	IgG1, kappa
<b>Recommend Usage</b>	Immunohistochemistry (0.5-1 ug/mL) Western blot (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS (0.05% BSA, 0.05% sodium azide).

**Storage Instruction**

Store at 4°C.  
Aliquot to avoid repeated freezing and thawing.

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)  
Immunohistochemical staining of human colon cancer stained with DSG1 monoclonal antibody, clone CC49 (Cat # MAB12146).

## Gene Info — DSG1

**Entrez GeneID**[1828](#)**Gene Name**

DSG1

**Gene Alias**

CDHF4, DG1, DSG

**Gene Description**

desmoglein 1

**Omim ID**[125670 148700](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Desmosomes are cell-cell junctions between epithelial, myocardial and certain other cell types. Desmoglein 1 is a calcium-binding transmembrane glycoprotein component of desmosomes in vertebrate epithelial cells. Currently, three desmoglein subfamily members have been identified and all are members of the cadherin cell adhesion molecule superfamily. These desmoglein gene family members are located in a cluster on chromosome 18. The protein encoded by this gene has been identified as the autoantigen of the autoimmune skin blistering disease pemphigus foliaceus. [provided by RefSeq]

**Other Designations**

desmosomal glycoprotein 1|pemphigus foliaceus antigen

## Disease

- [Pemphigus](#)