

## Product datasheet

# Anti-Desmoglein 2 antibody [EPR6767(B)] ab124683

RabMAb<sup>®</sup>

★★★★☆ 1 Abreviews 1 References 3 Images

### Overview

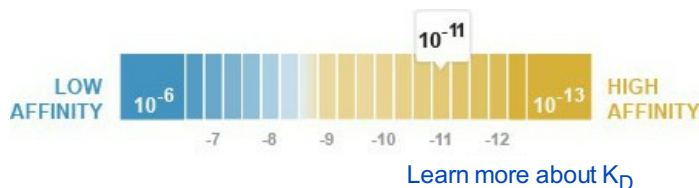
<b>Product name</b>	Anti-Desmoglein 2 antibody [EPR6767(B)]
<b>Description</b>	Rabbit monoclonal [EPR6767(B)] to Desmoglein 2
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IP, Flow Cyt <b>Unsuitable for:</b> ICC or IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	A synthetic peptide, corresponding to residues in the extracellular domain of Human Desmoglein 2.
<b>Positive control</b>	SKBR3, HepG2, 293T, A431, HeLa and T47D cell lysates; T47D cells.
<b>General notes</b>	

Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb<sup>®</sup> patents](#)

This product is a recombinant rabbit monoclonal antibody.

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
<b>Dissociation constant (K<sub>D</sub>)</b>	K <sub>D</sub> = 7.93 x 10 <sup>-11</sup> M



<b>Storage buffer</b>	pH: 7.40 Preservative: 0.01% Sodium azide Constituents: 50% Glycerol, 0.05% BSA
<b>Purity</b>	Tissue culture supernatant

<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR6767(B)
<b>Isotype</b>	IgG

## Applications

Our [Abpromise guarantee](#) covers the use of **ab124683** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/50000 - 1/200000. Detects a band of approximately 160 kDa (predicted molecular weight: 122 kDa).
IP	★★★★☆	1/10 - 1/100.
Flow Cyt		1/10 - 1/100. <a href="#">ab172730</a> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

**Application notes** Is unsuitable for ICC or IHC-P.

## Target

**Function** Component of intercellular desmosome junctions. Involved in the interaction of plaque proteins and intermediate filaments mediating cell-cell adhesion.

**Tissue specificity** All of the tissues tested and carcinomas.

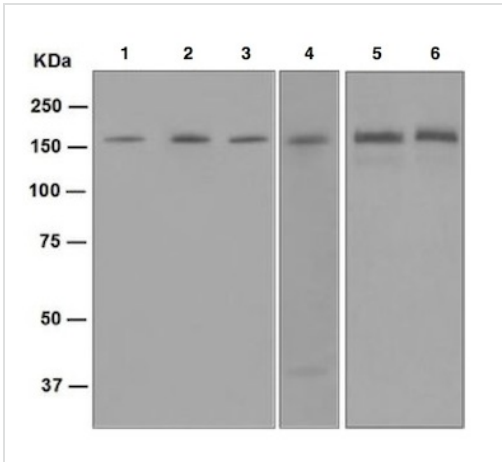
**Involvement in disease** Defects in DSG2 are the cause of familial arrhythmogenic right ventricular dysplasia type 10 (ARVD10) [MIM:610193]; also known as arrhythmogenic right ventricular cardiomyopathy 10 (ARVC10). ARVD is an autosomal dominant disease characterized by partial degeneration of the myocardium of the right ventricle, electrical instability, and sudden death. It is clinically defined by electrocardiographic and angiographic criteria; pathologic findings, replacement of ventricular myocardium with fatty and fibrous elements, preferentially involve the right ventricular free wall.  
Genetic variations in DSG2 are the cause of susceptibility to cardiomyopathy dilated type 1BB (CMD1BB) [MIM:612877]. A disorder characterized by ventricular dilation and impaired systolic function, resulting in congestive heart failure and arrhythmia. Patients are at risk of premature death.

**Sequence similarities** Contains 4 cadherin domains.

**Domain** Calcium may be bound by the cadherin-like repeats.

**Cellular localization** Cell membrane. Cell junction > desmosome.

## Images



Western blot - Anti-Desmoglein 2 antibody  
[EPR6767(B)] (ab124683)

**All lanes :** Anti-Desmoglein 2 antibody  
[EPR6767(B)] (ab124683) at 1/50000 dilution

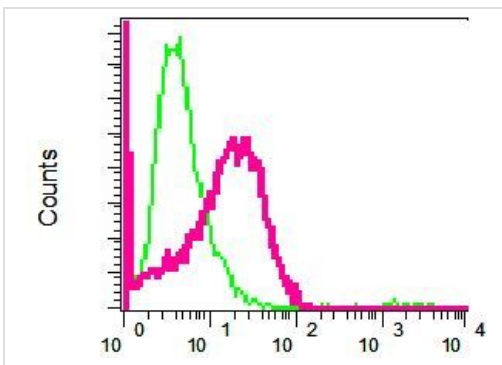
- Lane 1 :** SKBR3 cell lysate
- Lane 2 :** HepG2 cell lysate
- Lane 3 :** 293T cell lysate
- Lane 4 :** A431 cell lysate
- Lane 5 :** HeLa cell lysate
- Lane 6 :** T47D cell lysate

Lysates/proteins at 10 µg per lane.

**Secondary**

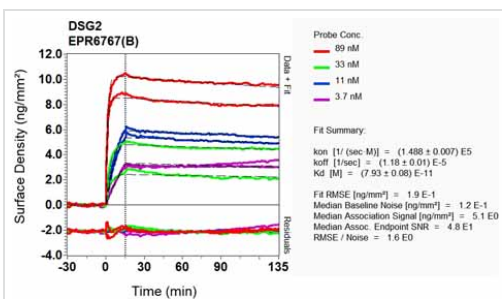
**All lanes :** Goat anti-Rabbit HRP at 1/2000 dilution

**Predicted band size:** 122 kDa



Flow Cytometry - Anti-Desmoglein 2 antibody  
[EPR6767(B)] (ab124683)

ab124683 at 1/10 dilution staining  
Desmoglein 2 in T47D cells by Flow  
Cytometry (red). Rabbit IgG negative control  
(green).



Other - Anti-Desmoglein 2 antibody [EPR6767(B)]  
(ab124683)

Equilibrium dissociation constant ( $K_D$ )

Learn more about  $K_D$

[Click here to learn more about  \$K\_D\$](#)

## **Our Abpromise to you: Quality guaranteed and expert technical support**

---

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

## **Terms and conditions**

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors