

Product datasheet

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

RabMAb[®]

★★★★☆ 1 Abreviews 1 References 3 Images

Overview

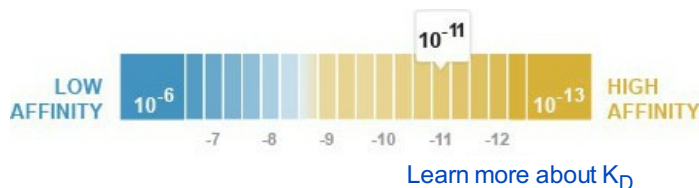
Product name	Anti-Desmoglein 2 antibody [EPR6767(B)]
Description	Rabbit monoclonal [EPR6767(B)] to Desmoglein 2
Host species	Rabbit
Tested applications	Suitable for: WB, IP, Flow Cyt Unsuitable for: ICC or IHC-P
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	A synthetic peptide, corresponding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

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

This product is a recombinant rabbit monoclonal antibody.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Dissociation constant (K_D)	K _D = 7.93 x 10 ⁻¹¹ M



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

Clonality	Monoclonal
Clone number	EPR6767(B)
Isotype	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. ab172730 - 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.

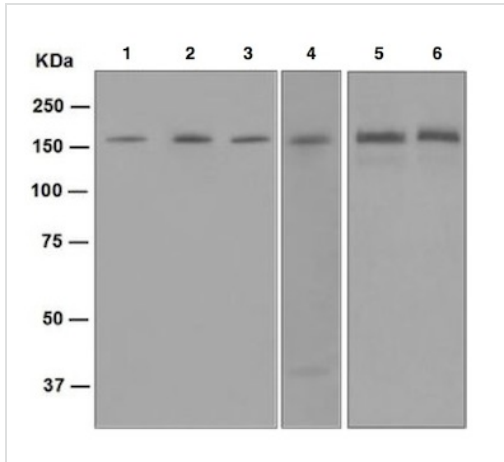
Involvement in disease Defects in DSG2 are the cause of familial arrhythmogenic right ventricular dysplasia type 10 (ARVD10) [MIM:610193]; also known as arrhythmogenic right ventricular cardiomyopathy 10 (ARVC10). ARVD is an autosomal dominant disease characterized by partial degeneration of the myocardium 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

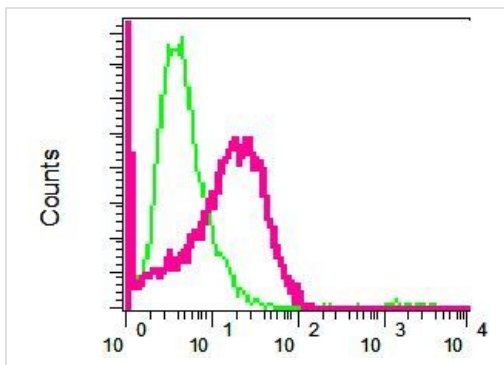
Lane 6 : T47D cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

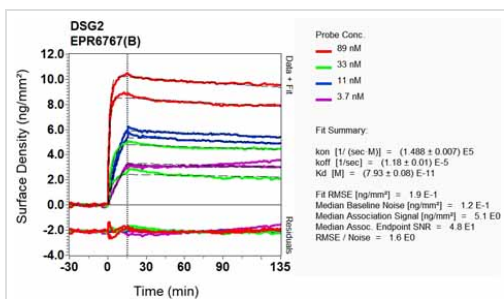
All lanes : Goat anti-Rabbit HRP at 1/2000 dilution

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\$](#)

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