

Product datasheet

Anti-Desmoglein 1/DSG1 antibody [EPR6766(B)] ab124798

Recombinant RabMAb

★★★★★ [5 Abreviews](#) [13 References](#) [3 Images](#)

Overview

Product name	Anti-Desmoglein 1/DSG1 antibody [EPR6766(B)]
Description	Rabbit monoclonal [EPR6766(B)] to Desmoglein 1/DSG1
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: ICC/IF, IHC-P or IP
Species reactivity	Reacts with: Human Does not react with: Mouse, Rat
Immunogen	Synthetic peptide within Human Desmoglein 1/DSG1 aa 1000 to the C-terminus (C terminal). The exact sequence is proprietary. Database link: Q02413
Positive control	WB: Human skin lysate.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
Purity	Protein A purified

Clonality	Monoclonal
Clone number	EPR6766(B)
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab124798 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

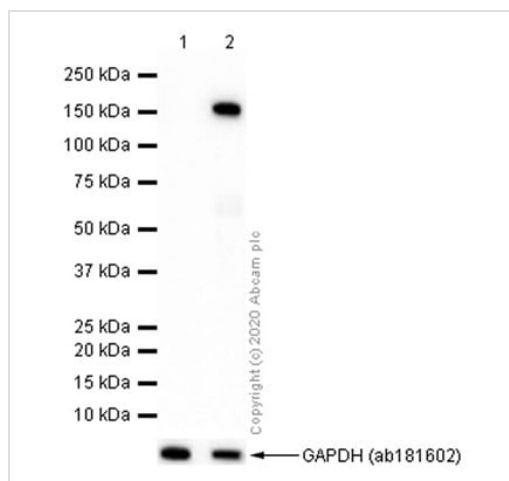
Application	Abreviews	Notes
WB	★★★★★ (2)	1/1000 - 1/10000. Predicted molecular weight: 114 kDa.

Application notes Is unsuitable for ICC/IF, IHC-P or IP.

Target

Function	Component of intercellular desmosome junctions. Involved in the interaction of plaque proteins and intermediate filaments mediating cell-cell adhesion.
Tissue specificity	Epidermis, tongue, tonsil and esophagus.
Involvement in disease	Defects in DSG1 are the cause of palmoplantar keratoderma striate type 1 (SPPK1) [MIM:148700]; also known as keratosis palmoplantaris striata I. SPPK1 is a dermatological disorder characterized by thickening of the skin on the palms and soles, and longitudinal hyperkeratotic lesions on the palms, running the length of each finger.
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 1/DSG1 antibody [EPR6766(B)] (ab124798)

All lanes : Anti-Desmoglein 1/DSG1 antibody [EPR6766(B)] (ab124798) at 1/10000 dilution

Lane 1 : Human skin lysate prepared in RIPA lysis method

Lane 2 : Human skin lysate prepared in 1%SDS Hot lysis method

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/20000 dilution

Predicted band size: 114 kDa

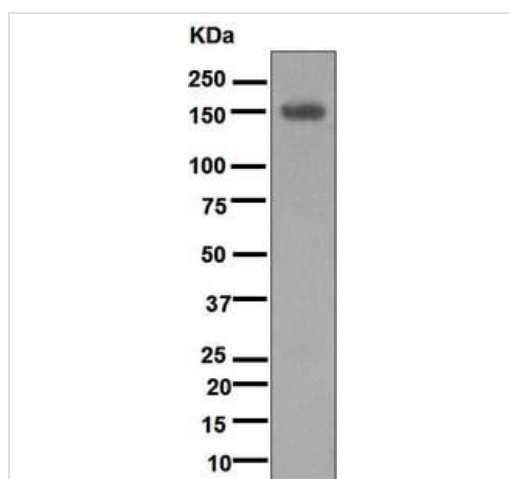
Observed band size: 160 kDa

Exposure time: 20 seconds

Blocking and diluting buffer and concentration: 5% NFDM/TBST.

ab181602 was used as GAPDH loading control.

We recommend using 1%SDS Hot lysis prepare method to get desired Western Blot results.



Western blot - Anti-Desmoglein 1/DSG1 antibody [EPR6766(B)] (ab124798)

Anti-Desmoglein 1/DSG1 antibody [EPR6766(B)] (ab124798) at 1/1000 dilution + Human skin lysate at 10 µg

Secondary

HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 114 kDa

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-Desmoglein 1/DSG1 antibody [EPR6766(B)]
(ab124798)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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