


Product datasheet

Anti-Desmocollin 3 antibody [EPR7486] ab126768

Recombinant RabMAb

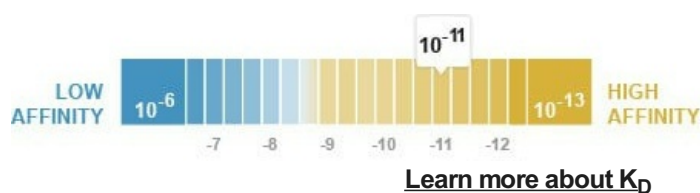
[3 References](#) [5 Images](#)

Overview

Product name	Anti-Desmocollin 3 antibody [EPR7486]
Description	Rabbit monoclonal [EPR7486] to Desmocollin 3
Host species	Rabbit
Specificity	This antibody cross-reacts weakly with Desmocollin 2.
Tested applications	Suitable for: Flow Cyt (Intra), WB Unsuitable for: IHC-P or IP
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	A431, Human skin, and Human esophagus lysates; and A431 cells.
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.
Dissociation constant (K _D)	K _D = 2.40 x 10 ⁻¹¹ M



Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR7486
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab126768 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

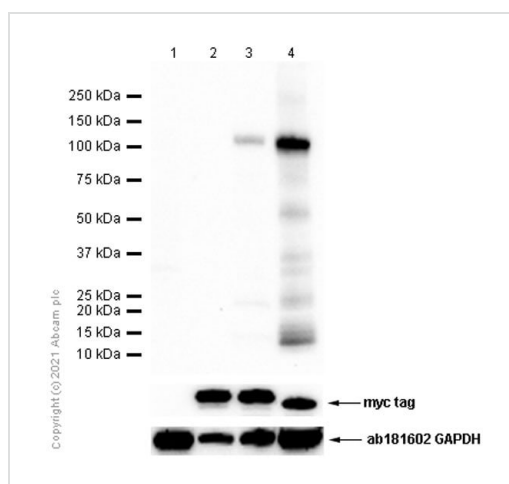
Application	Abreviews	Notes
Flow Cyt (Intra)		1/10 - 1/100. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/10000 - 1/50000. Predicted molecular weight: 100 kDa.

Application notes Is unsuitable for 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. May contribute to epidermal cell positioning (stratification) by mediating differential adhesiveness between cells that express different isoforms.
Tissue specificity	Epidermis, buccal mucosa, esophagus and cervix.
Involvement in disease	Defects in DSC3 are the cause of hypotrichosis and recurrent skin vesicles (HRSV) [MIM:613102]. A disorder characterized by hypotrichosis and the appearance of recurrent skin vesicle formation. Affected individuals show sparse and fragile hair on scalp, as well as absent eyebrows and eyelashes. Vesicles filled with thin, watery fluid are observed on the scalp and skin of most of the body. Mucosal vesicles are absent.
Sequence similarities	Contains 5 cadherin domains.
Domain	Calcium may be bound by the cadherin-like repeats.
Cellular localization	Cell membrane. Cell junction > desmosome.

Images



Western blot - Anti-Desmocollin 3 antibody
[EPR7486] (ab126768)

All lanes : Anti-Desmocollin 3 antibody [EPR7486] (ab126768) at 1/200000 dilution

Lane 1 : Empty vector transfected 293T (Human embryonic kidney epithelial cell) whole cell lysate

Lane 2 : 293T cells transfected with myc-his tagged full length Desmocollin-1 expression vector, whole cell lysate

Lane 3 : 293T cells transfected with myc-his tagged full length Desmocollin-2 expression vector, whole cell lysate

Lane 4 : 293T cells transfected with myc-his tagged full length Desmocollin-3 expression vector, whole cell lysate

Secondary

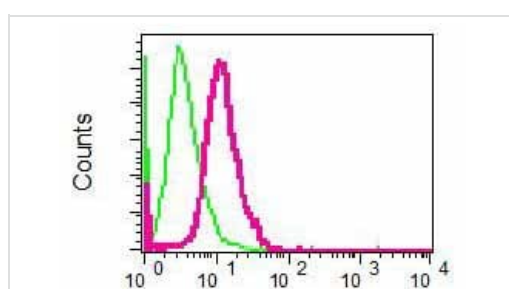
All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 100 kDa

Observed band size: 100 kDa

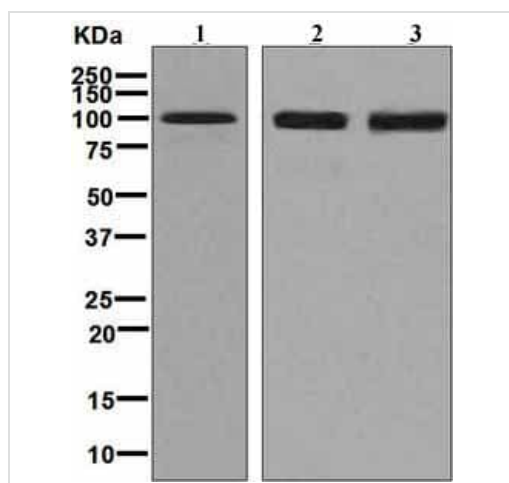
Exposure time: 40 seconds

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



Flow Cytometry (Intracellular) - Anti-Desmocollin 3
antibody [EPR7486] (ab126768)

ab126768 at 1/10 dilution staining Desmocollin 3 in permeabilized A431 cells by intracellular flow cytometry (red) compared with a rabbit IgG negative control (green).



Western blot - Anti-Desmocollin 3 antibody
[EPR7486] (ab126768)

All lanes : Anti-Desmocollin 3 antibody [EPR7486] (ab126768) at 1/10000 dilution

Lane 1 : A431 cell lysate

Lane 2 : Human skin lysate

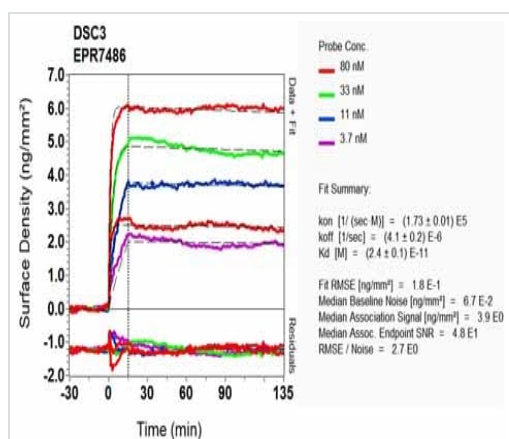
Lane 3 : Human esophagus lysate

Lysates/proteins at 10 µg per lane.

Secondary

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

Predicted band size: 100 kDa



OL-RD Scanning - Anti-Desmocollin 3 antibody
[EPR7486] (ab126768)

Equilibrium dissociation constant (K_D)

Learn more about K_D

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

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-Desmocollin 3 antibody [EPR7486] (ab126768)

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