**Product name**
Anti-Desmocollin 3 antibody [EPR7486]

**Description**
Rabbit monoclonal [EPR7486] to Desmocollin 3

**Host species**
Rabbit

**Specificity**
This antibody may cross react with Desmocollin 2. We are currently investigating.

**Tested applications**
**Suitable for:** WB, Flow Cyt, ICC/IF  
**Unsuitable for:** IHC-P or IP

**Species reactivity**
Reacts with: Mouse, Rat, Human

**Immunogen**
Synthetic peptide, corresponding to residues in Human Desmocollin 3 (Q14574).

**Positive control**
A431, Human skin, and Human esophagus lysates; and A431 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**

<table>
<thead>
<tr>
<th>Form</th>
<th>Liquid</th>
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</thead>
<tbody>
<tr>
<td>Storage instructions</td>
<td>Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.</td>
</tr>
<tr>
<td>Dissociation constant (&lt;i&gt;K_D&lt;/i&gt;)</td>
<td>&lt;i&gt;K_D&lt;/i&gt; = 2.40 x 10&lt;sup&gt;-11&lt;/sup&gt; M</td>
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</tbody>
</table>
| Storage buffer | pH: 7.20  
Preservative: 0.01% Sodium azide  
Constituents: 9% PBS, 40% Glycerol, 0.05% BSA, 50% Tissue culture supernatant |
| Purity | Tissue culture supernatant |
Clonality: Monoclonal  
Clone number: EPR7486  
Isotype: IgG

**Applications**

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.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<tbody>
<tr>
<td>WB</td>
<td>1/10000 - 1/50000. Predicted molecular weight: 100 kDa.</td>
<td></td>
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</table>
| Flow Cyt    | 1/10 - 1/100.  
ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody. |
| ICC/IF      | 1/100 - 1/250. |

**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**


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

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

*Lane 1*: A431 lysates

*Lane 2*: Human skin lysates

*Lane 3*: Human esophagus lysates

Lysates/proteins at 10 µg per lane.

**Secondary**

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

**Predicted band size**: 100 kDa

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

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

Equilibrium disassociation constant ($K_D$)

Learn more about $K_D$

Click here to learn more about $K_D$

**Other** - Anti-Desmocollin 3 antibody [EPR7486] (ab126768)

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