

## Product datasheet

### anti-Desmoplakin 1 guinea pig polyclonal, serum

#### Short overview

|                 |       |
|-----------------|-------|
| <b>Cat. No.</b> | DP-1  |
| <b>Quantity</b> | 50 µl |

#### Product description

|                      |                                                                                       |
|----------------------|---------------------------------------------------------------------------------------|
| <b>Host</b>          | Guinea pig                                                                            |
| <b>Antibody Type</b> | Polyclonal                                                                            |
| <b>Immunogen</b>     | Human desmoplakin 1 (C-terminus of recombinant human desmoplakin 1)                   |
| <b>Formulation</b>   | Contains 0.09% sodium azide                                                           |
| <b>UniprotID</b>     | A0A3Q1MR22 (Bovine),P15924 (Human)                                                    |
| <b>Synonym</b>       | Desmoplakin, DP, 250/210 kDa paraneoplastic pemphigus antigen, DSP                    |
| <b>Note</b>          | Centrifuge prior to opening                                                           |
| <b>Conjugate</b>     | Unconjugated                                                                          |
| <b>Purification</b>  | Stabilized antiserum                                                                  |
| <b>Storage</b>       | Short term at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles |
| <b>Intended use</b>  | Research use only                                                                     |
| <b>Application</b>   | ICC/IF, IHC, WB                                                                       |
| <b>Reactivity</b>    | Bovine, Human                                                                         |

#### Applications

|                                              |                                                    |
|----------------------------------------------|----------------------------------------------------|
| <b>Immunocytochemistry (ICC)</b>             | 1:100                                              |
| <b>Immunohistochemistry (IHC) - frozen</b>   | 1:50                                               |
| <b>Immunohistochemistry (IHC) - paraffin</b> | 1:50 (microwave treatment recommended, ABC method) |
| <b>Western Blot (WB)</b>                     | 1:1,000                                            |

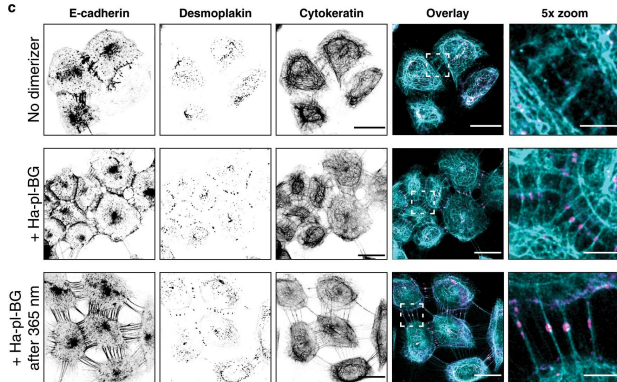
#### Background

DP-1 antiserum shows distinct punctate membrane staining of epithelia. In Western blot analysis the antiserum reacts specifically with the desmoplakin DPI and DPII polypeptides. Reactivity on cultured cell lines: Several human carcinoma cell lines, such as MCF-7, A-431, HaCaT and CaCo2.

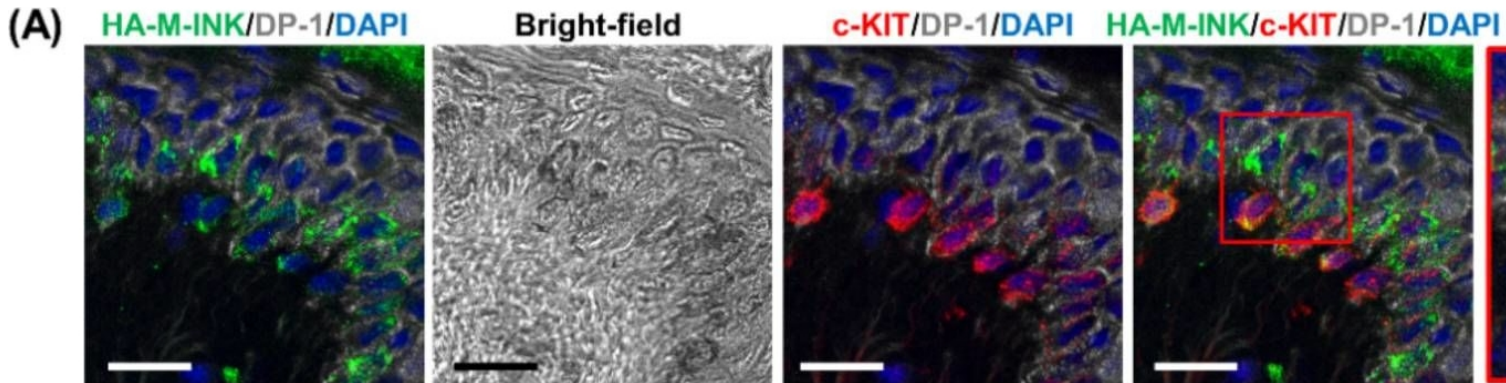
#### Product images



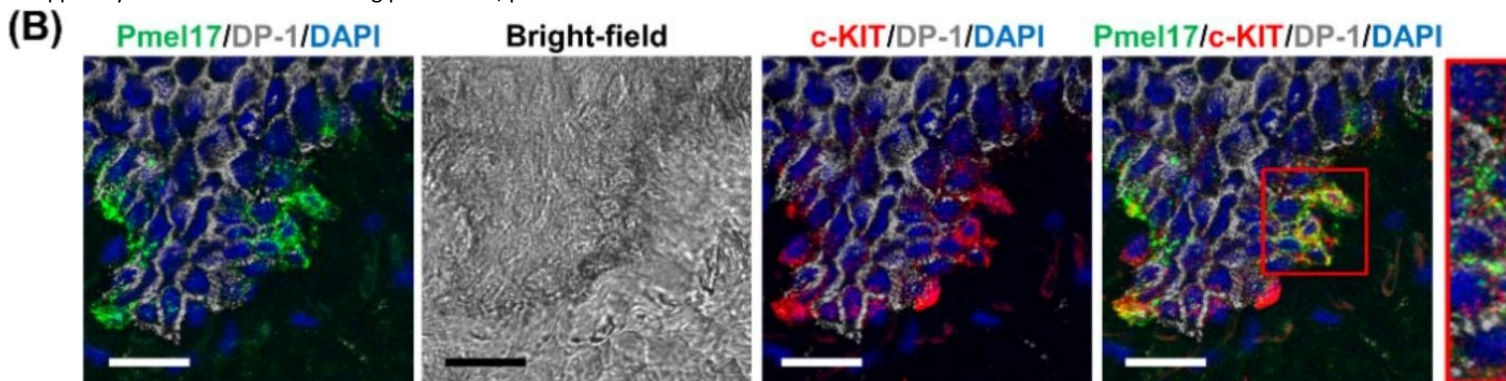
anti-Desmoplakin 1 guinea pig polyclonal, serum



[Ollech, D., Pfl  sterer, T., et al. An optochemical tool for light-induced dissociation of adherens junctions to control mechanical coupling between cells. Nat Commun. 2020-01-24.](#) Species/Reactant: Homo sapiens (Human) Applications: Immunocytochemistry-immunofluorescence Image collected and cropped by CiteAb from the following publication, provided under a CC-BY licence.



[Yoshikawa-Murakami, C., Mizutani, Y., et al. A Novel Method for Visualizing Melanosome and Melanin Distribution in Human Skin Tissues. Int J Mol Sci. 2020-11-12.](#) Species/Reactant: Homo sapiens (Human) Applications: Immunohistochemistry-immunofluorescence Image collected and cropped by CiteAb from the following publication, provided under a CC-BY licence.



[Yoshikawa-Murakami, C., Mizutani, Y., et al. A Novel Method for Visualizing Melanosome and Melanin Distribution in Human Skin Tissues. Int J Mol Sci. 2020-11-12.](#) Species/Reactant: Homo sapiens (Human) Applications: Immunohistochemistry-immunofluorescence Image collected and cropped by CiteAb from the following publication, provided under a CC-BY licence.

## References

| Publication                                                                                                                                                                                                                                 | Species | Application       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------------------|
| <a href="#">Buck, V. U. et al. Steroid hormones and human chorionadotropin influence the distribution of alpha6-integrin and desmoplakin 1 in gland-like endometrial epithelial spheroids. Histochem. Cell Biol. 155, 581â€“591 (2021).</a> | human   | IHC-IF            |
| <a href="#">Ollech, D. et al. An optochemical tool for light-induced dissociation of adherens junctions to control mechanical coupling between cells. Nat. Commun. 11, 1â€“13 (2020).</a>                                                   | human   | IHC-IF, ICC-IF    |
| <a href="#">Yoshikawa-Murakami, C. et al. A novel method for visualizing melanosome and melanin distribution in human skin tissues. Int. J. Mol. Sci. 21, 1â€“14 (2020).</a>                                                                | human   | IHC-IF            |
| <a href="#">Moch, M. et al. The keratin-desmosome scaffold: pivotal role of desmosomes for keratin network morphogenesis. Cell.Mol.Life.Sci. , (2019)</a>                                                                                   | human   | ICC-IF            |
| <a href="#">Kant, S. et al. Desmoglein 2 mutation provokes skeletal muscle actin expression and accumulation at intercalated discs in murine hearts. J.Cell.Sci. 132, (2019)</a>                                                            | mouse   | IHC-IF (paraffin) |