

Product datasheet

Anti-Desmoglein 1/DSG1 antibody [32-2B] ab108490

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Overview

Product name	Anti-Desmoglein 1/DSG1 antibody [32-2B]
Description	Mouse monoclonal [32-2B] to Desmoglein 1/DSG1
Host species	Mouse
Specificity	This antibody was tested for its ability to stain epithelia and tumours. 32-2B is a reliable epithelial marker that may have a useful role in diagnostic histopathology.
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human
Immunogen	Full length protein corresponding to Desmoglein 1/DSG1.
Positive control	This antibody gave a positive result in IHC in the following FFPE tissue: Human skin melanoma.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: 0.02% Sodium azide Constituent: 99.98% PBS
Purity	Protein A/G purified
Clonality	Monoclonal
Clone number	32-2B
Myeloma	NS1
Isotype	IgG2a

Applications

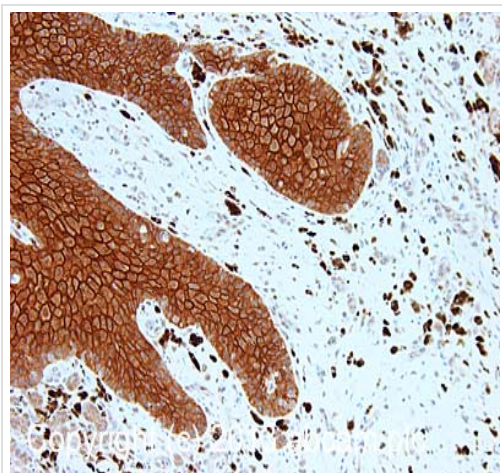
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab108490 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration.

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



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Desmoglein 1/DSG1 antibody [32-2B] (ab108490)

IHC image of Desmoglein 1/DSG1 staining in Human skin melanoma formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab108490, 5µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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