

Product datasheet

Anti-Desmoglein 3/PVA antibody [DSG3/2840] - BSA and Azide free ab268169

[3 Images](#)

Overview

Product name	Anti-Desmoglein 3/PVA antibody [DSG3/2840] - BSA and Azide free
Description	Mouse monoclonal [DSG3/2840] to Desmoglein 3/PVA - BSA and Azide free
Host species	Mouse
Tested applications	Suitable for: Protein Array, IHC-P
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment within Human Desmoglein 3/PVA aa 379-491. The exact sequence is proprietary. Database link: P32926
Positive control	IHC-P: Human esophageal carcinoma tissue.
General notes	ab268169 is the PBS only version of ab268049 .

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A/G purified
Purification notes	Purified from Bioreactor concentrate
Clonality	Monoclonal
Clone number	DSG3/2840
Isotype	IgG1
Light chain type	kappa

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab268169 in the following tested applications.

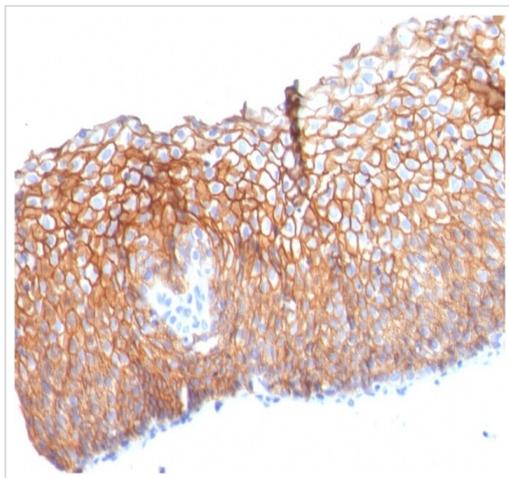
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Protein Array		Use at an assay dependent concentration.
IHC-P		Use a concentration of 1 - 2 µg/ml. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

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, esophagus and carcinomas.
Sequence similarities	Contains 4 cadherin domains.
Domain	Three calcium ions are usually bound at the interface of each cadherin domain and rigidify the connections, imparting a strong curvature to the full-length ectodomain.
Cellular localization	Cell membrane. Cell junction > desmosome.

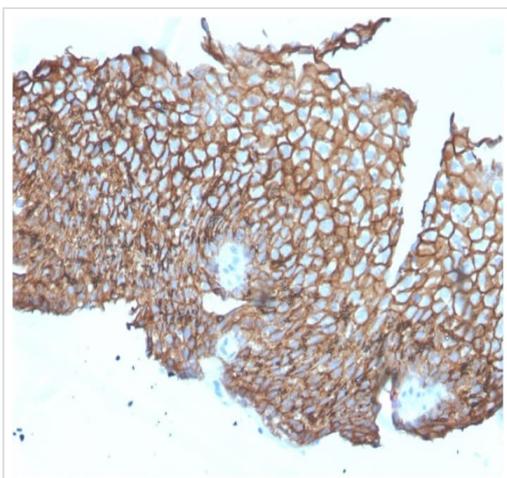
Images



Formalin-fixed, paraffin-embedded human esophageal carcinoma tissue staining Desmoglein 3/PVA using **ab268049** at 2 µg/ml for 30 minutes in immunohistochemical analysis.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and Sodium azide (**ab268049**).

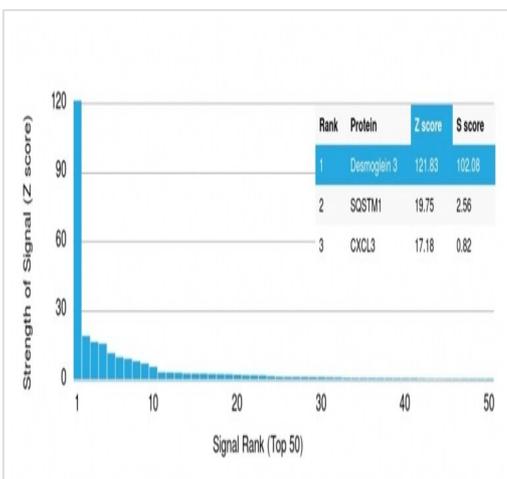
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Desmoglein 3/PVA antibody [DSG3/2840] - BSA and Azide free (ab268169)



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Protein Array - Anti-Desmoglein 3/PVA antibody [DSG3/2840] - BSA and Azide free (ab268169)

Protein Array containing more than 19,000 full-length human proteins using **ab268049**. Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.

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