

DATASHEET

Desmoglein 3 Mouse Monoclonal Antibody(C2674)

CAT. NO. AMA02286

KEY FEATURES

Target	Desmoglein 3	Source / Host	Mouse
Reactivity	Human	Clonality	Monoclonal
Applications	WB, IHC, FC	Conjugation	Unconjugated
Form / Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

A component of desmosome cell-cell junctions which are required for positive regulation of cellular adhesion . Required for adherens and desmosome junction assembly in response to mechanical force in keratinocytes . Required for desmosome-mediated cell-cell adhesion of cells surrounding the telogen hair club and the basal layer of the outer root sheath epithelium, consequently is essential for the anchoring of telogen hairs in the hair follicle . Required for the maintenance of the epithelial barrier via promoting desmosome-mediated intercellular attachment of suprabasal epithelium to basal cells . May play a role in the protein stability of the desmosome plaque components DSP, JUP, PKP1, PKP2 and PKP3 .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
IHC	1:100 - 1:500
FC	1:100 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Mouse monoclonal to Desmoglein 3
Specificity	Recognizes endogenous levels of Desmoglein 3 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human Desmoglein 3 expressed in E. Coli
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 108 kD; Observed: 108 kD kD
Form/Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	CDHF6; Desmoglein-3; 130 kDa pemphigus vulgaris antigen; PVA; Cadherin family member 6
Gene Symbol	DSG3
Entrez Gene	1830(Human)
SwissProt	P32926(Human)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

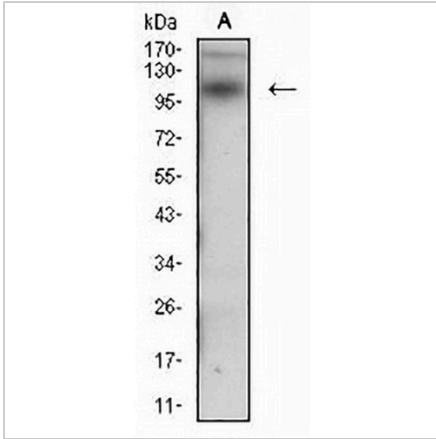
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

DATASHEET

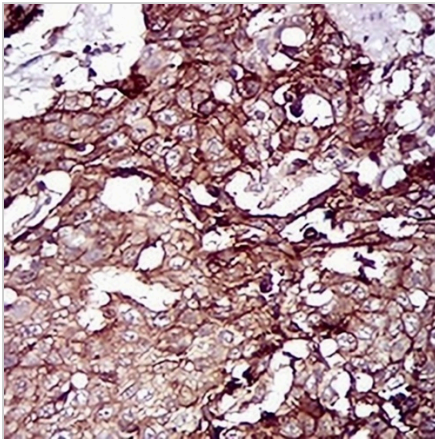
Desmoglein 3 Mouse Monoclonal Antibody(C2674)

CAT. NO. AMA02286

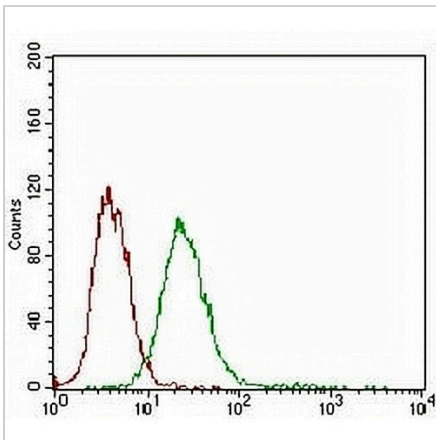
DATA



Western blot analysis of Desmoglein 3 expression in A431 (A) whole cell lysates. (Predicted band size: 108 kD; Observed band size: 108 kD)



Immunohistochemical analysis of Desmoglein 3 staining in human esophageal cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody 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.



Flow cytometric analysis of A431 cells using Anti-Desmoglein 3 Antibody (green) and negative control (red).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.