Mouse Desmoglein-3 Monoclonal Antibody | anti-DSG3 antibody

Desmoglein-3 (Squamous Cell Marker)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62955	**Mouse**	**Human. Others not known.**	**Immunohistochemistry, Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

Desmoglein-3; Monoclonal Antibody; Desmoglein-3 (Squamous Cell Marker); 130kDa pemphigus vulgaris antigen (PVA); Balding (Bal); Cadherin family member 6 (CDHF6); Desmoglein-3 (DSG3); anti-DSG3 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Others not known.
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	DSG3/1535
Specificity	Recognizes a protein of 130kDa, identified as Desmoglein-3 (DSG3). This MAb is highly specific to Desmoglein-3 and does not cross-react with other members of the Desmoglein-family. DSG3 is a calcium-binding transmembrane glycoprotein component of desmosomes in vertebrate epithelial cells. Research has shown that DSG3 has a very high sensitivity (>80%) and specificity (100%) in recognizing squamous cell carcinoma (SqCC). Therefore, DSG3 is considered a very important marker for lung SqCC and can be a useful ancillary marker to separate SqCC from other subtypes of lung cancer. Moreover, studies have shown that DSG3 expression in lung SqCC may indicate a poor prognosis.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	999
Applicable Applications for anti-DSG3 antibody	IHC (Immunohistochemistry), WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Immunogen	Recombinant human DSG3 extracellular protein fragment
Cellular Localization	Cell Surface
Hu-chromosome Location	18q12.1
Positive Control	A431 cells. Skin or Lung squamous cell carcinoma.
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES

IHC (Immunohiostchemistry)
Formalin-fixed, paraffin-embedded Human Skin stained with Desmoglein-3 Monoclonal Antibody (DSG3/1535).

IHC (Immunohistochemistry)
Formalin-paraffin Human Lung Squamous Cell Carcinoma stained with Desmoglein-3 Monoclonal Antibody (DSG3/1535).

ADDITIONAL INFORMATION

References	Savci-Heijink CD, et al. The role of desmoglein-3 in the diagnosis of squamous cell carcinoma of the lung. Am J Pathology 2009; 174(5):1629-37.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119964718
NCBI GeneID	1830
NCBI Accession #	NP_001935.2
NCBI GenBank Nucleotide #	NM_001944.2
UniProt Accession #	P32926; A8K2V2
Molecular Weight	130kDa
NCBI Official Full Name	desmoglein-3 preproprotein
NCBI Official Synonym Full Names	desmoglein 3
NCBI Official Symbol	DSG3
NCBI Official Synonym Symbols	PVA; CDHF6
NCBI Protein Information	desmoglein-3
UniProt Protein Name	Desmoglein-3
UniProt Gene Name	**DSG3**
UniProt Synonym Gene Names	CDHF6; PVA

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/desmoglein-3-antibody-clone-dsg3-1535-immunohistochemistry-western-blot-immunofluorescence-flow-cytometry-elisa/62955