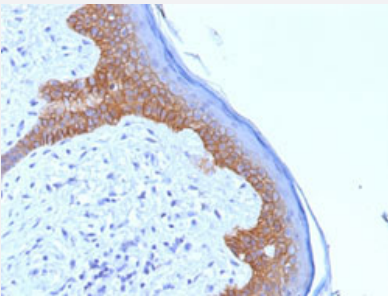


DSG3 monoclonal antibody, clone 5G11

Catalog # MAB14504 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human skin with DSG3 monoclonal antibody, clone 5G11 (Cat # MAB14504).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human DSG3.
Immunogen	Recombinant protein corresponding to extracellular domain of human DSG3.
Host	Mouse
Theoretical MW (kDa)	130
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (0.5-1 ug/10 ⁶ cells) Immunofluorescence (1-2 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1-2 ug/mL) Western Blotting (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS (0.05% BSA, 0.05% sodium azide).

Storage Instruction

Store at 4°C.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human skin with DSG3 monoclonal antibody, clone 5G11 (Cat # MAB14504).
- Immunofluorescence
- Flow Cytometry

Gene Info — DSG3

Entrez GeneID [1830](#)**Protein Accession#** [P32926](#)**Gene Name** DSG3**Gene Alias** CDHF6, DKFZp686P23184, PVA**Gene Description** desmoglein 3 (pemphigus vulgaris antigen)**Omim ID** [169615](#)**Gene Ontology** [Hyperlink](#)

Gene Summary Desmosomes are cell-cell junctions between epithelial, myocardial, and certain other cell types. Desmoglein 3 is a calcium-binding transmembrane glycoprotein component of desmosomes in vertebrate epithelial cells. Currently, three desmoglein subfamily members have been identified and all are members of the cadherin cell adhesion molecule superfamily. These desmoglein gene family members are located in a cluster on chromosome 18. This protein has been identified as the autoantigen of the autoimmune skin blistering disease pemphigus vulgaris. [provided by RefSeq]

Other Designations 130-kD pemphigus vulgaris antigen|desmoglein 3|pemphigus vulgaris antigen

Publication Reference

- [Delineation of diversified desmoglein distribution in stratified squamous epithelia: implications in diseases.](#)

Mahoney MG, Hu Y, Brennan D, Bazzi H, Christiano AM, Wahl JK 3rd.

Experimental Dermatology 2006 Feb; 15(2):101.

- [Generation of monoclonal antibodies specific for desmoglein family members.](#)

Wahl JK 3rd.

Hybridoma and Hybridomics 2002 Feb; 21(1):37.

Application: IF, IP, WB-Tr, Human, A-431D cells

Disease

- [Genetic Predisposition to Disease](#)
- [Pemphigus](#)