

Desmoglein 2 Rabbit mAb

Catalog No: #49846

Package Size: #49846-1 50ul #49846-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

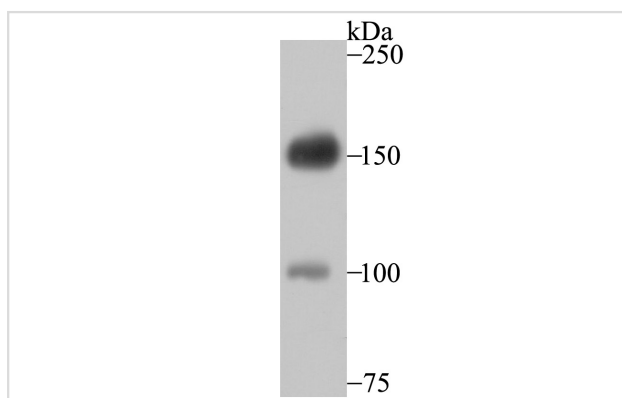
Description

Product Name	Desmoglein 2 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JB96-37
Purification	ProA affinity purified
Applications	WB,IHC,FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein
Other Names	ARVC 10 antibody ARVC10 antibody ARVD 10 antibody ARVD10 antibody Cadherin family member 5 antibody CDHF 5 antibody CDHF5 antibody CMD1BB antibody Desmoglein 2 antibody Desmoglein-2 antibody Desmoglein2 antibody DSG 2 antibody DSG2 antibody DSG2_HUMAN antibody HDGC antibody HDGC included antibody Human Desmoglein colon antibody MGC117034 antibody MGC117036 antibody MGC117037 antibody
Accession No.	Swiss-Prot#:Q14126
Uniprot	Q14126
GeneID	1829;
Calculated MW	150 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

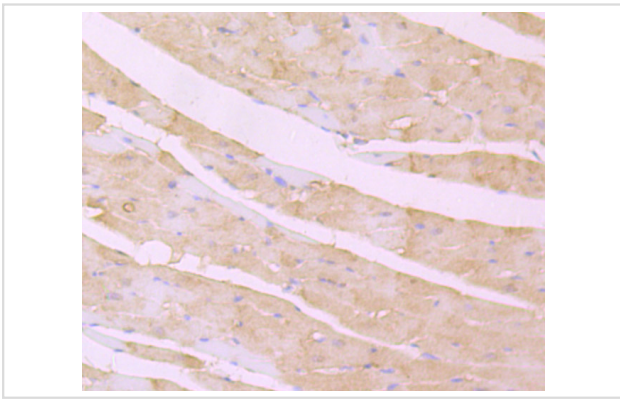
Application Details

WB: 1:500-1:1,000 IHC: 1:50-1:200 FC: 1:50-1:100

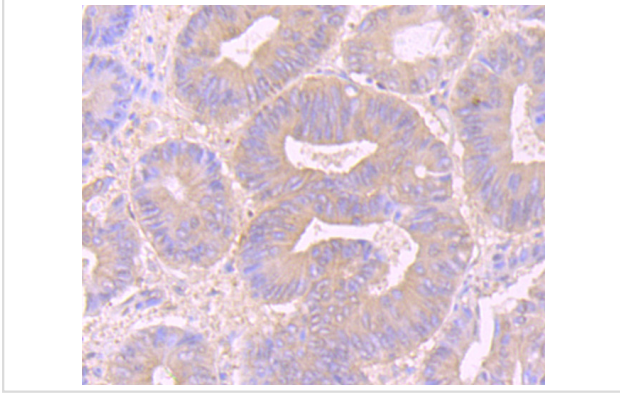
Images



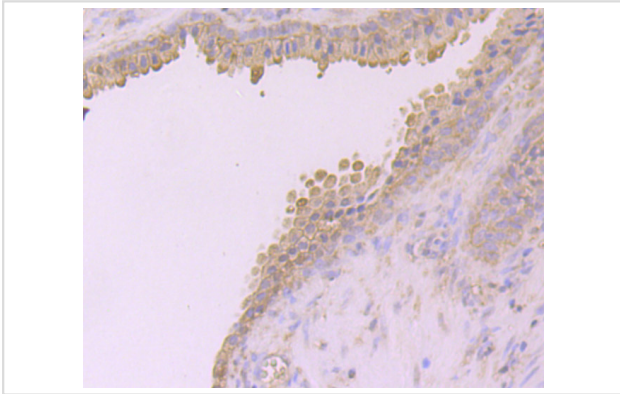
Western blot analysis of Desmoglein 2 on A431 cell using anti-Desmoglein 2 antibody at 1/500 dilution.



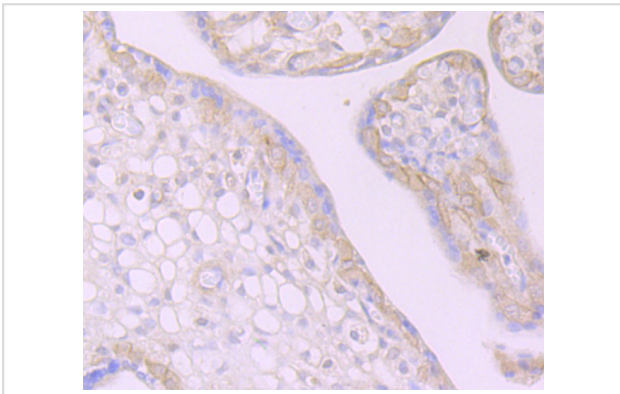
Immunohistochemical analysis of paraffin-embedded rat heart tissue using anti-Desmoglein 2 antibody. Counter stained with hematoxylin.



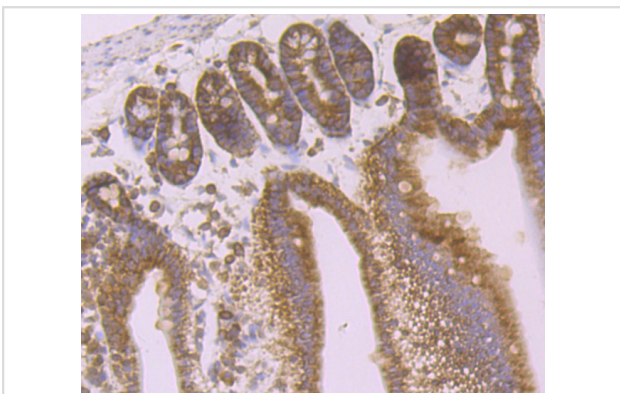
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-Desmoglein 2 antibody. Counter stained with hematoxylin.



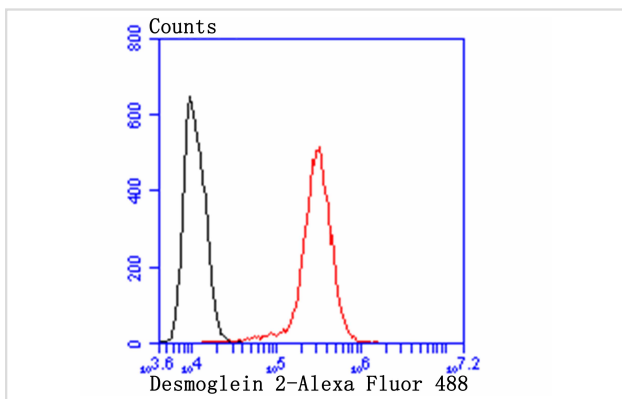
Immunohistochemical analysis of paraffin-embedded human prostate tissue using anti-Desmoglein 2 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human placenta tissue using anti-Desmoglein 2 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse small intestine tissue using anti-Desmoglein 2 antibody. Counter stained with hematoxylin.



Flow cytometric analysis of A431 cells with Desmoglein 2 antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.

Background

Pemphigus is an autoimmune disease of skin adhesion associated with auto-antibodies against a number of keratinocyte antigens, such as the adhesion molecules desmoglein (dsg) 1 and 3 and acetylcholine receptors. Desmogleins, Type I membrane proteins, are important for cell adhesion and are expressed in great abundance at the desmosomes, which are adhesive cell junctions. Desmogleins belong to the cadherin family and consist of dsg1, dsg2 and dsg3. Calcium binds to the putative calcium binding sites at the extracellular N-terminal domain, which has cadherin-like repeats. Unlike normal human keratinocytes, the squamous cell carcinoma cells exhibit diminished or un-usual expression of dsg3 and dsg1, which bear pemphigus vulgaris and pemphigus foliaceus antigens, respectively. Several carcinoma cell lines constantly express dsg2 and dsg3 mRNA, whereas cultured normal human keratinocytes always express dsg1 and dsg3 mRNA, with or without dsg2 mRNA. This expression pattern indicates that desmoglein isoforms exhibit abnormal expression and may be related to tumor cell kinetics, such as cell invasion and metastasis. dsg2 is the fundamental dsg common to all desmosome-possessing tissues and is the largest desmoglein in the family.

References

Note: This product is for in vitro research use only