Datasheet for ABIN2782147

anti-Desmoglein 2 antibody (N-Term)

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Overview

Quantity:	100 µL
Target:	Desmoglein 2 (DSG2)
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Mouse, Cow, Dog, Pig, Guinea Pig, Horse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Desmoglein 2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human DSG2
Sequence:	KIHSDLAEER GLKITYKYTG KGITEPPFGI FVFNKDTGEL NVTSILDREE
Predicted Reactivity:	Cow: 93%, Dog: 93%, Guinea Pig: 93%, Horse: 93%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 93%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against DSG2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	Desmoglein 2 (DSG2)

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Target Details

Alternative Name:	DSG2 (DSG2 Products)
Background:	Desmosomes are cell-cell junctions between epithelial, myocardial, and certain other cell types. DSG2 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 second family member is expressed in colon, colon carcinoma, and other simple and stratified epithelial-derived cell lines.Desmosomes are cell-cell junctions between epithelial, myocardial, and certain other cell types. This gene product 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 second family member is expressed in colon, colon carcinoma, and other simple and stratified epithelial-derived cell lines. Mutations in this gene have been associated with arrhythmogenic right ventricular dysplasia, familial, 10. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. Alias Symbols: ARVC10, ARVD10, CDHF5, HDGC, MGC117034, MGC117036, MGC117037, CMD1BB Protein Interaction Partner: UBC, SART3, EED, ADRB2, PAN2, CHCHD2, PLIN3, Trim69, Cbx1, RYK, PKP3, PKP2, JUP, DSC2, DSC1, Protein Size: 1118
Molecular Weight:	114 kDa
Gene ID:	1829
NCBI Accession:	NM_001943, NP_001934
UniProt:	Q14126
Pathways:	Cell-Cell Junction Organization

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Restrictions:	For Research Use only

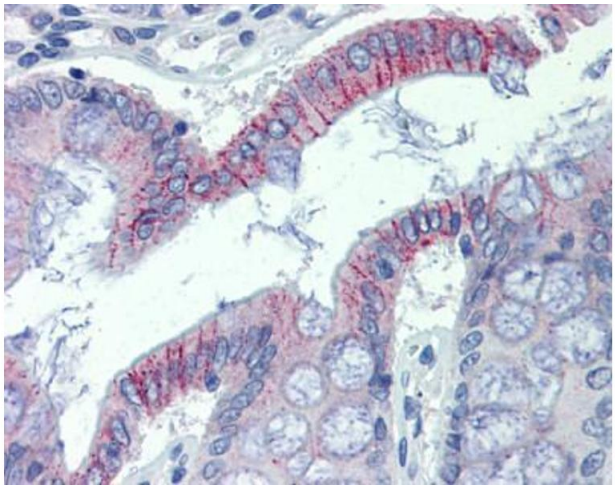
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

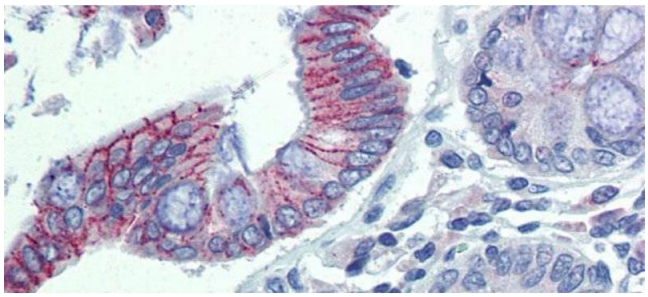
Product cited in:	Gerhard, Wagner, Feingold, Shenmen, Grouse, Schuler, Klein, Old, Rasooly, Good, Guyer, Peck, Derge, Lipman, Collins, Jang, Sherry, Feolo, Misquitta, Lee, Rotmistrovsky, Greenhut, Schaefer, Buetow et al.: "The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). ..." in: **Genome research**, Vol. 14, Issue 10B, pp. 2121-7, (2004) (PubMed).

Images



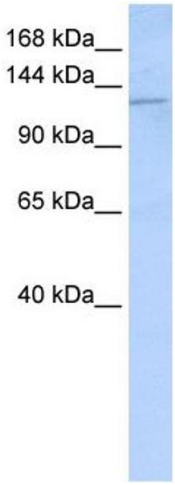
Immunohistochemistry

Image 1.



Immunohistochemistry

Image 2. Immunohistochemistry with Human Colon lysate tissue at an antibody concentration of 5.0ug/ml using anti-DSG2 antibody



Western Blotting

Image 3. WB Suggested Anti-DSG2 Antibody Titration: 1 ug/ml Positive Control: Hela cell lysate

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