

Product datasheet for **TA356464**

Desmoglein 2 (DSG2) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human DSG2
Specificity:	Expected reactivity: Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat Homology: Cow: 93%; Dog: 93%; Guinea Pig: 93%; Horse: 93%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 93%; Rat: 100%
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	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.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	114kDa
Gene Name:	desmoglein 2
Database Link:	NP_001934 Entrez Gene 1829 Human Q14126



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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.

Synonyms:

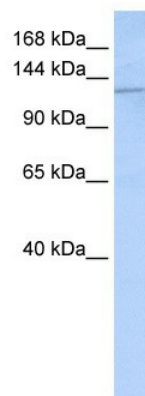
ARVC10; ARVD10; CDHF5; CMD1BB; HDGC; MGC117034; MGC117036; MGC117037

Protein Families:

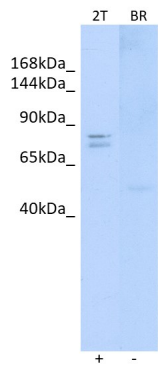
Transmembrane

Protein Pathways:

Arrhythmogenic right ventricular cardiomyopathy (ARVC)

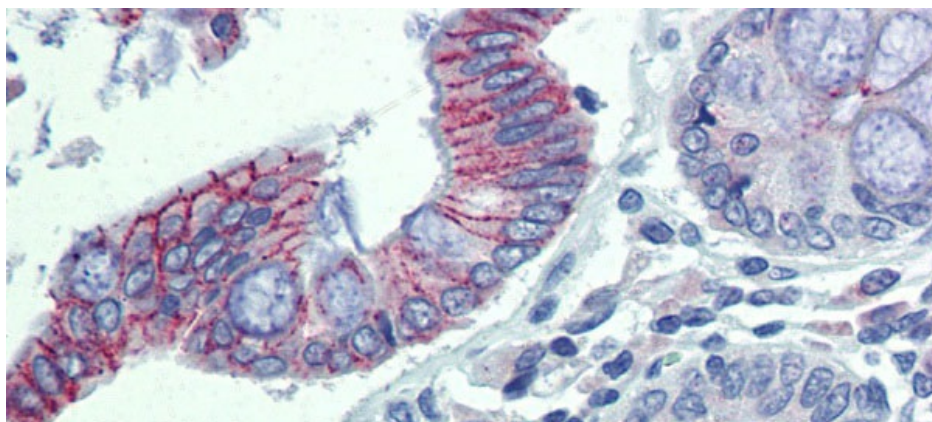
Product images:

WB Suggested Anti-DSG2 Antibody Titration: 1 ug/ml
Positive Control: HeLa cell lysate



Host: Rabbit
 Target name: DSG2
 Positive control: ~25ug 293T Cell Lysate (2T)
 Negative control: ~25ug Human Brain (BR)
 Antibody concentration: 1ug/ml

Host: Rabbit
 Target: DSG2
 Positive control (+): 293T Cell Lysate (2T)
 Negative control (-): Human Brain (BR)
 Antibody concentration: 1ug/ml



Immunohistochemistry with Human Colon lysate tissue at an antibody concentration of 5.0ug/ml using anti-DSG2 antibody (TA356464)