10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# Desmocollin 1 Rabbit pAb

Catalog # AP97457

## Product Information

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| **Application** | IHC-P, IHC-F, IF |
| **Primary Accession** | Q08554 |
| **Other Accession** | Q08554 |
| **Reactivity** | Human |
| **Predicted** | Rat, Pig, Mouse, Dog, Horse |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 99987 |
| **Physical State** | Liquid |
| **Immunogen** | KLH conjugated synthetic peptide derived from human Desmocollin 1 |
| **Epitope Specificity** | 371-470/894 |
| **Isotype** | IgG |
| **Purity** | affinity purified by Protein A |
| **Buffer** | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. |
| **SIMILARITY** | Contains 5 cadherin domains. |
| **SUBUNIT** | . |
| **Important Note** | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |
| **Background Descriptions** | The protein encoded by this gene is a calcium-dependent glycoprotein that is a member of the desmocollin subfamily of the cadherin superfamily. These desmosomal family members, along with the desmogleins, are found primarily in epithelial cells where they constitute the adhesive proteins of the desmosome cell-cell junction and are required for cell adhesion and desmosome formation. The desmosomal family members are arranged in two clusters on chromosome 18, occupying less than 650 kb combined. Alternative splicing results in two transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2008] |

## Additional Information

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| **Gene ID** | 1823 |
| **Other Names** | CDHF1; DG2/DG3; 1110020A10Rik; DSC1_HUMAN; DSC1; Cadherin family member 1; Desmosomal glycoprotein 2/3 (DG2/DG3); DSC1_MOUSE; desmocollin 1 |
| **Dilution** | IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 |
| **Storage** | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |

## Protein Information

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| **Name** | DSC1 |
| **Synonyms** | CDHF1 |
| **Function** | A component of desmosome cell-cell junctions which are required for positive regulation of cellular adhesion (By similarity). Required for desmosome adhesion strength between the granular layers of the epidermis, as a result moderates epidermal proliferation and differentiation (By similarity). Is therefore required to maintain postnatal epidermal barrier function and normal hair follicle morphology into adulthood (By similarity). |
| **Cellular Location** | Cell membrane; Single-pass type I membrane protein. Cell junction, desmosome {ECO:0000250\|UniProtKB:P55849} |
| **Tissue Location** | Strongly expressed in epidermis, less in lymph node and tongue. |

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.