

ARG58560 anti-Desmocollin 2 + 3 antibody [7G6]

Package: 50 µg
Store at: -20°C

Summary

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| Product Description | Mouse Monoclonal antibody [7G6] recognizes Desmocollin 2 + 3 |
| Tested Reactivity | Hu, Ms, Rat |
| Tested Application | FACS, ICC/IF, IHC-P, WB |
| Host | Mouse |
| Clonality | Monoclonal |
| Clone | 7G6 |
| Isotype | IgG1, kappa |
| Target Name | Desmocollin 2 + 3 |
| Species | Human |
| Immunogen | Recombinant protein corresponding to the extracellular domain of Human Desmocollin 2. |
| Conjugation | Un-conjugated |
| Alternate Names | Desmosomal glycoprotein II; ARVD11; Desmosomal glycoprotein III; DSC3; Desmocollin-3; Desmocollin-2; DG2; CDHF2; DGI/III; Cadherin family member 2 |

Application Instructions

| Application table | Application | Dilution |
|-------------------|--|----------------------------------|
| | FACS | 0.5 - 1 µg/10 ⁶ cells |
| | ICC/IF | 1 - 5 µg/ml |
| | IHC-P | 1 - 5 µg/ml |
| | WB | 0.5 - 1 µg/ml |
| Application Note | IHC-P: Antigen Retrieval: Boil tissue section in 10 mM Tris with 1 mM EDTA (pH 9.0) for 10-20 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |

Properties

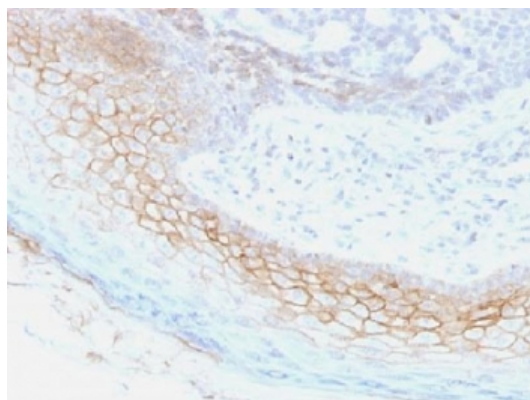
| | |
|---------------|--|
| Form | Liquid |
| Purification | Purification with Protein G. |
| Buffer | PBS, 0.05% Sodium azide and 0.1 mg/ml BSA. |
| Preservative | 0.05% Sodium azide |
| Stabilizer | 0.1 mg/ml BSA |
| Concentration | 0.2 mg/ml |

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| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

Bioinformation

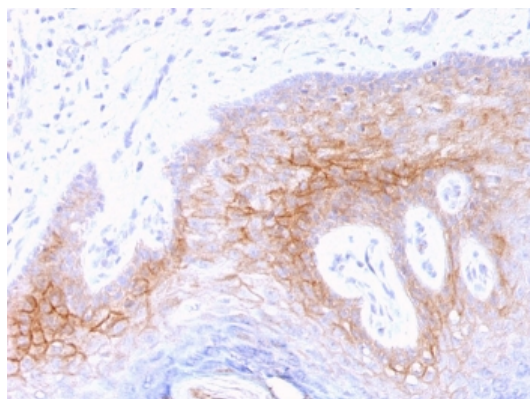
| | |
|------------------------------|---|
| Gene Symbol | DSC2 |
| Gene Full Name | desmocollin 2 |
| Background | This gene encodes a member of the desmocollin protein subfamily. Desmocollins, along with desmogleins, are cadherin-like transmembrane glycoproteins that are major components of the desmosome. Desmosomes are cell-cell junctions that help resist shearing forces and are found in high concentrations in cells subject to mechanical stress. This gene is found in a cluster with other desmocollin family members on chromosome 18. Mutations in this gene are associated with arrhythmogenic right ventricular dysplasia-11, and reduced protein expression has been described in several types of cancer. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2015] |
| Function | Component of intercellular desmosome junctions. Involved in the interaction of plaque proteins and intermediate filaments mediating cell-cell adhesion. May contribute to epidermal cell positioning (stratification) by mediating differential adhesiveness between cells that express different isoforms. [UniProt] |
| Calculated Mw | 100 kDa |
| Cellular Localization | Cell surface. [UniProt] |

Images



ARG58560 anti-Desmocollin 2 + 3 antibody [7G6] IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human skin stained with ARG58560 anti-Desmocollin 2 + 3 antibody [7G6]. Antigen Retrieval: Boil tissue section in 10mM Tris with 1mM EDTA (pH 9.0) for 10-20 min.



ARG58560 anti-Desmocollin 2 + 3 antibody [7G6] IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human skin tissue. Antigen Retrieval: Boil tissue section in 10 mM Tris with 1 mM EDTA (pH 9.0) for 10-20 min. The tissue section was stained with ARG58560 anti-Desmocollin 2 + 3 antibody [7G6].