

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

Package: 50 µg
Store at: -20°C

Summary

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

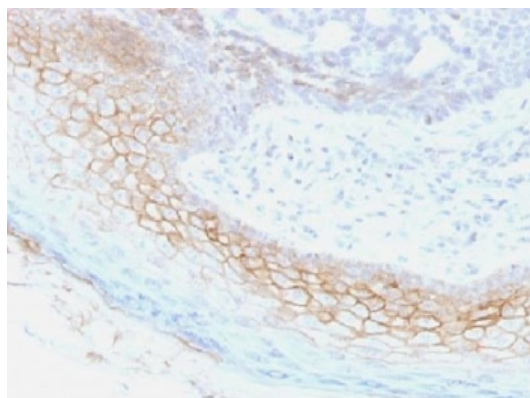
Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS, 0.05% Sodium azide and 0.1 mg/ml BSA.
Preservative	0.05% Sodium azide
Stabilizer	0.1 mg/ml BSA
Concentration	0.2 mg/ml

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

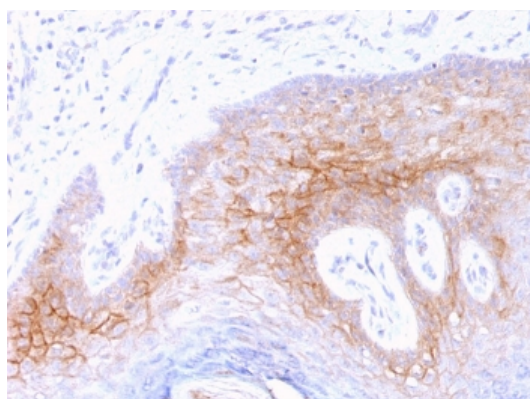
Gene Symbol	DSC2
Gene Full Name	desmocollin 2
Background	This gene encodes a member of the desmocollin protein subfamily. Desmocollins, along with desmogleins, are cadherin-like transmembrane glycoproteins that are major components of the desmosome. Desmosomes are cell-cell junctions that help resist 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].