DSC2 Monoclonal Antibody

Catalog No	YP-mAb-07216
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	DSC2 CDHF2 DSC3
Protein Name	Desmocollin-2 (Cadherin family member 2) (Desmocollin-3) (Desmosomal glycoprotein II) (Desmosomal glycoprotein III)
Immunogen	Synthesized peptide derived from human protein . at AA range: 150-230
Specificity	DSC2 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	99kD
Cell Pathway	Cell membrane ; Single-pass type I membrane protein . Cell junction, desmosome .
Tissue Specificity	Expressed in epithelia, myocardium and lymph nodes.
Function	disease:Defects in DSC2 are the cause of familial arrhythmogenic right ventricular dysplasia 11 (ARVD11) [MIM:610476]. Arrhythmogenic right ventricular dysplasia (ARVD) is an inherited myocardial disorder associated with ventricular arrhythmias, heart failure, and sudden death. The main pathologic characteristic of ARVD is loss of myocardium, predominately in the right ventricle, and its replacement with adipose and fibrous tissue. Familial ARVD is believed to account for at least 30%-50% of all cases, although penetrance in some families is estimated to be <30%.,domain:Calcium may be bound by the cadherin-like repeats .,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 c
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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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