2631

២ ក្តី DSG2 (10D2) Mouse mAb (IF Specific)



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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: IF-IC	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 142	Source/Isotype: Mouse IgG1	UniProt ID: #Q14126	Entrez-Gene Id: 1829		
Product Usage Information		ApplicationDilutionImmunofluorescence (Immunocytochemistry)1:100						
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.						
Specificity/Sens	cificity/Sensitivity DSG2 (10D2) Mouse mAb (IF Specific) recognizes endogenous levels of total DSG2 protein.					otein.		
Source / Purification Monoclonal antibody is produced by immunizing animals with a recombinant pramino terminus of human DSG2 protein.				ecombinant proteii	n specific to the			
Background Pa	kground Desmosomes are a class of intracellular junction that tightly link adjacent cells in mechanically st tissues such as the epithelium and myocardium (1). They derive their characteristic strength from protein desmoplakin, which acts as a tether by binding the cytoplasmic component of the desmo at its N terminus (2), while its C terminus is anchored to the intermediate-filament cytoskeleton (Desmogleins and desmocollins belong to the superfamily of cadherin proteins, the "glue" of the desmosome, as they are essential for strong cell-cell contacts (4). There are 4 types of desmoglei humans, DSG1-4, and 3 types of desmocollins, DSC1-3. DSG2 is expressed in all desmosome bear tissues, while other desmosome cadherin proteins have more specialized tissue expression. Reserve studies have shown that aberrant expression due to mutation of DSG2 is associated with arrhythmogenic right ventricular cardiomyopathy (5,6). Research has also shown that mutation a altered expression of DSG1 and 3 have been associated with autoimmune disorders such as Pemphigus, inherited disorders such as defective hair-follicle differentiation, and striate palmopl keratoderma, an epidermal-thickening disease (reviewed in 7).							
Background Kererences 1. Stokes, D.L. (2007) Curr Opin Cell Biol 19, 565-71. 2. Kowalczyk, A.P. et al. (1997) J Cell Biol 139, 773-84. 3. Meng, J.J. et al. (1997) J Biol Chem 272, 21495-503. 4. Nollet, F. et al. (2000) J Mol Biol 299, 551-72. 5. Awad, M.M. et al. (2006) Am J Hum Genet 79, 136-42. 6. Pilichou, K. et al. (2006) Circulation 113, 1171-9. 7. Delva, E. et al. (2009) Cold Spring Harb Perspect Biol 1, a002543.					ł.			
Species Reactiv	ity	Species reactivity is d	etermined by testing	g in at least one approve	d application (e.g.,	western blot).		
Applications Ke	у	IF-IC: Immunofluorescence (Immunocytochemistry)						
Cross-Reactivity	/ Key	H: Human						
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