



MOUSE ANTI-HUMAN DESMOPLAKIN 1 & 2 MONOCLONAL ANTIBODY

CATALOG NUMBER:	CBL173	QUANTITY:	50 µg
LOT NUMBER:			
CLONE NAME:	DP2.15	HOST/ISOTYPE:	Ms IgG1
SPECIFICITY:	This antibody shows distinct punctate membrane staining of desmoplakins 1 (MW: 250 kDa) and 2 (MW: 215 kDa) in stratified epithelia and simple epithelia, including glands, urothelium, thymic reticular epithelium, hepatocytes, intercalated disks of myocardium and arachnoid cells of meninges.		
IMMUNOGEN:	Bovine desmoplakins 1 & 2		
APPLICATIONS:	<u>Western blot</u> <u>Immunohistochemistry:</u> 1:10; Frozen tissue <u>Immunofluorescence</u> <i>Optimal working dilutions must be determined by the end user.</i>		
SPECIES REACTIVITY:	Human, mouse, rat, bovine, chicken. Reactivity with other species has not been confirmed.		
CONTROL:	Positive cell lines: human: A-431 & MCF-7; rat: MH1C1; bovine: MDBK & BMGE		
PRESENTATION:	Lyophilized. Reconstitute in 1 mL distilled water (final solution contains 0.09% sodium azide, 0.5% BSA in PBS buffer, pH 7.4)		
STORAGE/HANDLING:	Reconstituted antibody can be stored at 2°-8°C for up to 12 months from date of receipt. Antibody can also be stored at -20°C in undiluted aliquots.		
REFERENCES:	Huen, AC <i>et al</i> (2001). Intermediate filament-membrane attachments function synergistically with actin-dependent contacts to regulate intercellular adhesive strength. <i>J Cell Biol</i> 159(6) : 1005-1017. (General Protein Review or Related Reference) Charpentier, E <i>et al</i> (2000). Plakoglobin Suppresses Epithelial Proliferation and Hair Growth In Vivo. <i>J Cell Biol</i> 149(2) : 503-519. (General Protein Review or Related Reference) Schmetz M. & Franke, W. W. (1993). <i>Eur. J. Cell Biol.</i> 61 : 274-289. Moll, R. <i>et al.</i> (1986). <i>Lab. Invest.</i> 54 : 4-25. Cowin, P <i>et al</i> (1985). The Complement of Desmosomal Plaque Proteins in Different Cell Types. <i>J Cell Biol</i> 101 : 1442-1454. Franke, W. W. <i>et al.</i> (1983). <i>Proc. Nat. Acad. Sci.</i> 80 : 543-47.		

Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

FOR RESEARCH USE ONLY; NOT FOR USE IN DIAGNOSTIC
PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION

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