



MOUSE ANTI-HUMAN PLAKOGLOBIN [BAND 5] MONOCLONAL ANTIBODY

CATALOG NUMBER:	CBL175	QUANTITY:	50 µg
LOT NUMBER:			
CLONE NAME:	PG 5.1	HOST/ISOTYPE:	Ms IgG2b
ALTERNATE NAMES:	Identical to gamma-catenin	EPITOPE:	C-terminus, aa 632-687
BACKGROUND:	PG 5.1 represents an excellent marker for all forms of intercellular adhering junctions, such as: desmosomes of epithelial and myocardial cells (including cultured cells); zonulae and fasciae adherentes of epithelia, endothelia of blood vessels and myocardial cells; adherens-type junctions (e.g. lens tissue, pigmented retinal cells, Sertoli cells of testis).		
SPECIFICITY:	The PG 5.1 epitope maps within the C-terminus at the extreme end of repeat 13 (aa 632-687) of plakoglobin. Polypeptide reacting: MW 83 kDa Plakoglobin, "band 5" polypeptide of intercellular adhering junctions (identical to gamma-catenin).		
APPLICATIONS:	<u>Western blot</u> <u>Immunohistochemistry:</u> Frozen tissue <u>Immunofluorescence:</u> 1:5 in frozen tissue <u>Immunoprecipitation</u> <i>Optimal working dilutions must be determined by the end user.</i>		
SPECIES REACTIVITY:	Human, mouse, rat, bovine, chicken and zebrafish. Reactivity with other species has not been confirmed.		
IMMUNOGEN:	Plakoglobin "band 5" protein from bovine snout epidermis		
PRESENTATION:	Protein A purified immunoglobulin presented as lyophilized material. Reconstitute with 1ml distilled water. Final solution is PBS, pH 7.4, containing 0.5% BSA and 0.09% sodium azide.		
STORAGE/HANDLING:	Maintain at 2°-8°C for up to 12 months from date of receipt.		
REFERENCES:	Koch, P. J. et al. (1990). Identification of desmoglein, a constitutive desmosomal glycoprotein, as a member of the cadherin family of cell adhesion molecules. <i>Eur. J. Cell Biol.</i> 53, 1-12. Cowin, P. et al. (1986). Plakoglobin: A protein common to different kinds of intercellular adhering junctions. <i>Cell</i> 46, 1063-1073.		

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.

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