

Product datasheet for **BM5111**

Plakophilin 2 (PKP2) Mouse Monoclonal Antibody [Clone ID: PP2/62 + PP2/86 + PP2/150]

Product data:

Product Type:	Primary Antibodies
Clone Name:	PP2/62 + PP2/86 + PP2/150
Applications:	IHC, IP, WB
Recommended Dilution:	Immunoblotting. Immunoprecipitation. Immunohistochemistry on Frozen Sections: Specimens might be incubated for 5 min in PBS plus 0.2% Triton-X100 prior to antibody application; Longer incubation could result in a loss of nuclear staining; To prevent wash-out of soluble forms of the antigen, fixation with 2% formaldehyde is recommended. Incubation of specimens in the absence of detergent results in exclusive nuclear staining. Immunohistochemistry on Paraffin Sections (After Microwave treatment). <i>Working Dilutions:</i> Ready-to-use for Immunohistochemistry.
Reactivity:	Bovine, Canine, Human, Mouse, Xenopus
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Synthetic carboxyterminal peptide (24 aa) of Human Plakophilin 2.
Specificity:	This Monoclonal antibody react with Plakophilin 2. Polypeptide Reacting: Plakophilin 2, Mr 100 kD (SDS-PAGE); MW calculated from aa sequence: 92,750 (pI 9.33) and 97,410 (pI 9.38). Tumor Specifically Detected: Positive staining was obtained with several carcinomas derived from simple-type epithelia (e.g. hepatomas, colon carcinomas) and some adenocarcinomas derived from stratified epithelia (oesophagus carcinoma). The antibody was negative with all leiomyosarcomas tested. Tested Reactivity on Cultured Cell Lines: Human: HaCat, A-431, PLC, MCF-7, SV-80 Fibroblasts; MDCK (dog kidney), MDBK (cow kidney).
Formulation:	State: Supernatant State: Liquid Hybridoma Cell Culture Supernatant Preservative: 0.09% Sodium Azide
Conjugation:	Unconjugated



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Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	plakophilin 2
Database Link:	Entrez Gene 5318 Human Q99959
Background:	Plakophilin 2 is a member of the arm-repeat family of proteins which can occur in at least 2 splice forms (2a and 2b). Plakophilin 2 assembles with other proteins to form the desmosomal plaque in simple and glandular epithelia, the basal layer of certain stratified epithelia, all layers of some stratified epithelia, and in nonepithelial desmosome-possessing tissues such as myocardium, Purkinje fibers, and dendritic reticulum of lymph node follicles. In all these cells, including a variety of cell types devoid of desmosomes, plakophilin 2 is highly enriched in the karyoplasm.
Synonyms:	Plakophilin-2