

Product datasheet for **BM5109**

Plakophilin 1 (PKP1) Mouse Monoclonal Antibody [Clone ID: PP1-2D6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	PP1-2D6
Applications:	ELISA, IHC, WB
Recommended Dilution:	ELISA. Western Blot. Immunohistochemistry on Cryostat Sections: Ready-to-Use. For better resolution on Frozen Sections preincubation (directly after fixation) with 0.05-0.2% Triton X-100, for 5-10 min, depending on tissue type, is recommended (See Ref.3). For delicate tissues like liver and gastrointestinal material preincubation with saponin is preferred to Triton. For Immunolocalization studies on electron microscopic level preincubation with 0.1-1% saponin is recommended.
Reactivity:	Bovine, Chicken, Human, Porcine
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Plakophilin 1 ("band 6 polypeptide" of Bovine muzzle epidermis)
Specificity:	BM5109 recognizes Plakophilin 1 in diverse stratified epithelia, in complex epithelia (e.g. urothelium of the bladder and tracheal epithelium) and in glandular duct epithelia; squamous cell carcinoma are positive, whereas all adenocarcinoma tested so far are negative. Tested Reactivities on Human Cultured Cell Lines: HaCaT, A-431.
Formulation:	State: Supernatant State: Liquid Cell Culture Supernatant
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	plakophilin 1



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[Q13835](#)

Background: Plays a role in formation of desmosomal plaques and is found in desmosomes of most simple and stratified epithelia. Not found in cell types that have non-epithelial desmosomes. Absent in fibroblasts and other connective tissue types, including sarcomas.

Synonyms: Plakophilin-1, Band 6 protein, B6P

Note: **Calculated Molecular Weight:** 80,496 (Human) and 80,180 (Bovine).