

## Product datasheet for **BM5110**

### Plakophilin 1 (PKP1) Mouse Monoclonal Antibody [Clone ID: PP1-5C2]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	PP1-5C2
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	<b>ELISA.</b> <b>Western blot.</b> <b>Immunocytochemistry.</b> <b>Immunohistochemistry on Cryostat Sections:</b> Ready-to-use. <i>Incubation time:</i> 1 h at RT. <b>Immunohistochemistry on Paraffin Embedded Sections:</b> Ready-to-use. Use pretreatment with 0.001% trypsin together with microwave method. <i>Incubation time:</i> overnight at 2-8°C. <b>Recommendations:</b> 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, Human, Porcine, Xenopus
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Plakophilin 1 ("band 6 polypeptide" of bovine muzzle epidermis)
Specificity:	Antibody 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. <b>Polypeptide Reacting:</b> Plakophilin 1: calculated mol. wt. 80,496 (human) and 80,180 (bovine). <b>Tested Reactivities on Human Cultured Cell Lines:</b> HaCaT, A-431.



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<b>Formulation:</b>	State: Supernatant State: Liquid Cell Culture Supernatant Preservative: 0.09% Sodium Azide
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store the antibody undiluted at 2-8°C.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	plakophilin 1
<b>Database Link:</b>	<a href="#">Entrez Gene 5317 Human Q13835</a>
<b>Background:</b>	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.
<b>Synonyms:</b>	Plakophilin-1, Band 6 protein, B6P