

Product datasheet for **BM6031P**

Plakophilin 3 (PKP3) Mouse Monoclonal Antibody [Clone ID: 23E3/4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	23E3/4
Applications:	IF, IHC, WB
Recommended Dilution:	Western blot (Detection). Immunoprecipitation Immunocytochemistry (Methanol-and paraformaldehyde-fixed cells). Immunohistochemistry on Frozen Sections. Immunohistochemistry on Paraffin Embedded Sections. For optimal results, fixed cells and frozen tissues should be treated with 0.2% Triton-X 100 for, respectively, 5 min and 15 min prior to incubation with primary antibody. <i>Recommended Dilutions:</i> 1/25-1/200 for Immunohistochemistry with avidin-biotinylated horseradish peroxidase complex (ABC) as detection reagent and 1/100-1/1000 for Immunoblotting.
Reactivity:	Canine, Human, Mouse
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Synthetic peptide corresponding to amino acid residues 570-589 of Human Plakophilin-3 coupled to Keyhole Limpet Hemocyanin via an additional cysteine residue at the N-terminus (CFTPQSRRLRELPLAADALTF).
Specificity:	This antibody 23E3/4 reacts with an epitope located between residues 570-589 in Human Plakophilin-3.
Formulation:	PBS with 0.09% Sodium Azide as preservative State: Purified State: Liquid purified IgG fraction
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freeze-thaw cycles.



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Stability: Shelf life: One year from despatch.

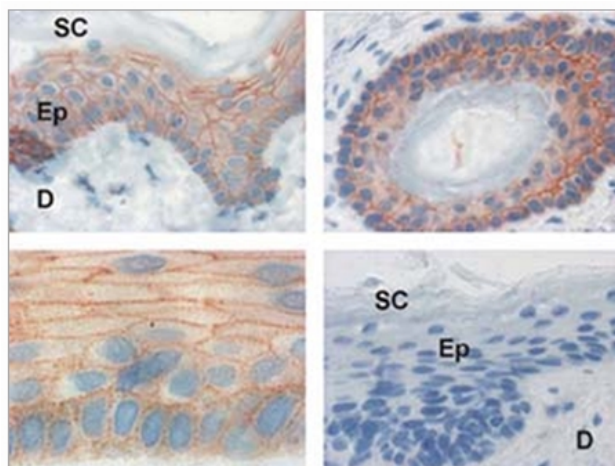
Gene Name: plakophilin 3

Database Link: [Entrez Gene 11187 Human Q9Y446](#)

Background: Plakophilin-3 is an Armadillo-like protein present in nuclei and desmosomes of epithelial cells [1]. The expression pattern of this protein seems to be largely restricted to epithelial cell types. Plakophilin-3 can be detected along cell borders in a punctuate staining pattern typical for desmosomal proteins. In addition to the desmosomal immunolocalisation, immunostaining was observed as bright nuclear speckles. Thus, like plakophilin-1 and-2, plakophilin-3 displays a dual intracellular localisation in the desmosomal plaque and in the cell nucleus, and therefore is probably involved in signal transduction pathways between the plasma membrane and the nucleus. The human protein has a predicted molecular mass of 87 kD.

Synonyms: Plakophilin-3

Product images:



Immunohistochemical detection of Plakophilin-3 in Paraffin Sections of Formalin-Fixed Human skin using monoclonal antibody 23E3/4. SC = Stratum Corneum Ep = Epidermis D = Dermis