

## **Product datasheet**

# anti-Plakophilin 1 guinea pig polyclonal, serum

#### Short overview

 Cat. No.
 GP-PP1

 Quantity
 100 μl

### **Product description**

Host Guinea pig
Antibody Type Polyclonal

Immunogen Human recombinant plakophilin 1

**Formulation** Contains 0.09% sodium azide and 0.5% BSA

**UniprotID** Q28161 (Bovine), Q13835 (Human), P97350 (Mouse)

**Synomym** Plakophilin-1, Band 6 protein, B6P, PKP1

Note Centrifuge prior to opening

ConjugateUnconjugatedPurificationStabilized antiserum

Storage Short term at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles

Intended use Research use only

Application IHC, WB

Reactivity Bovine, Human, Mouse

### **Applications**

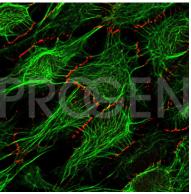
Immunohistochemistry (IHC) - frozen 1:100
Western Blot (WB) 1:1,000

#### Background

PP1 antiserum shows distinct suprabasal staining of stratified epithelia, localizing plakophilin 1 in desmosomal plaques and in the nucleus. In Western blot analysis the antiserum reacts specifically with the 80 kDa plakophilin 1a and 1b polypeptides.

Reactivity on cultured cell lines: BPH-1 (derived from non-neoplastic prostatic tissue).

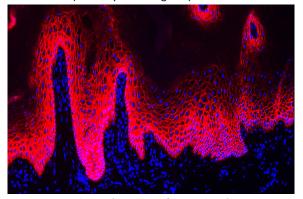
## **Product images**



HaCaT PKP1 (red), cytokeratin (green) (courtesy of L. Langbein)



Human sole (courtesy of L. Langbein)



Human oesophagus (courtesy of L. Langbein)

## References

Publication	Species	Application
Kim, M. et al. Plakophilin 1 deficiency in prostatic tumours is	human	WB, IHC-IF (paraffin)
correlated with immune cell recruitment and controls the		
up-regulation of cytokine expression post-transcriptionally.		
FEBS J. (2022).		
Yang, C. et al. Plakophilin 1-deficient cells upregulate	human	WB
SPOCK1: implications for prostate cancer progression.		
<u>Tumour Biol. 36, 9567–77 (2015)</u> .		