

Product datasheet for **BP5008**

Cytokeratin 9 (KRT9) Guinea Pig Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Immunoblotting: 1/5000-1/10,000 for Western Blot (ECL). Immunohistochemistry on Frozen Sections: 1/100-1/200. Immunohistochemistry on Paraffin Embedded Sections: 1/50 (Microwave retrieval method is recommended). Incubation Time: 1 h at RT, extended with Paraffin.
Reactivity:	Bovine, Hamster, Human, Mouse, Rat, Xenopus
Host:	Guinea Pig
Clonality:	Polyclonal
Immunogen:	KLH conjugated Synthetic peptide corresponding to amino acids 450-477 of Human keratin K9
Specificity:	The antiserum represents an excellent marker to study palmoplantar epidermal distribution and differentiation, specifically reactive in the middle/upper suprabasal layers (stratum spinosum/ granulosum) of the epidermis of palm and sole. K9 can be detected in primary cultures of palmoplantar keratinocytes when they shift to differentiation-promoting conditions and grow stratified (upper cells). K9 has not been found in normal, i.e. non-pathogenic, non-ridged epidermis, beside some minor cells surrounding the acrosyringeal ducts. No labelling has been found in epithelial cells of other stratified epithelia such as oesophagus or complex epithelia (e.g. urothelium) or in ductal or simple epithelia. Negative tissues include: muscle, liver and duodenum (See references 1 and 2).
Formulation:	State: Serum State: Liquid Serum Stabilizer: 0.5% BSA Preservative: 0.09% Sodium Azide
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	keratin 9



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Database Link: [Entrez Gene 3857 Human P35527](#)

Background: Acidic keratin K9 (MW 62,129; formerly also designated cytokeratin 9), expressed in the palmoplantar epidermis.

Synonyms: Cytokeratin 9, KRT9, CK9, Keratin-9, K9