

Product datasheet for **BP5071**

Cytokeratin 1 (KRT1) Guinea Pig Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	Cytological Material. Western blotting: 1/3,000 (ECL). Immunohistochemistry on Frozen Sections: 1/200. Immunohistochemistry on Paraffin Embedded Material: 1/100 (after microwave treatment or trypsin). <i>Incubation Time:</i> 1 h at RT, extended with paraffin sections. <i>Positive Control:</i> Human foot sole.
Reactivity:	Human, Mouse
Host:	Guinea Pig
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of Human keratin K1 (formerly also designated Cytokeratin 1) coupled to KLH
Specificity:	Reacts with Basic keratin K1 (Mr 66 000). Specific for keratin K1 in suprabasal layers of cornified squamous epithelia, e.g. the suprabasal layer of scalp and foot sole. Negative with non-keratinizing stratified and non-stratified epithelia (e.g. esophagus, duodenum)!
Formulation:	State: Serum State: Liquid antiserum containing 0.09% Sodium Azide and 0.5% BSA as stabilizer.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	keratin 1
Database Link:	Entrez Gene 3848 Human P04264



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Background:

Cytokeratin 1 is a type II Cytokeratin. The type II Cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coexpressed during differentiation of simple and stratified epithelial tissues. This type II Cytokeratin is specifically expressed in the spinous and granular layers of the epidermis with family member KRT10 and mutations in these genes have been associated with bullous congenital ichthyosiform erythroderma.

Synonyms:

Keratin-1, KRT1, K1, Cytokeratin 1, Hair alpha protein, 67 kDA cytokeratin, KRTA