

BP5072**Polyclonal Antibody to Cytokeratin 2e - Serum**

Alternate names:	CK2e, Cytokeratin-2e, K2e, KRT2, KRT2A, KRT2E, Keratin, Keratin-2, type II cytoskeletal 2 epidermal
Quantity:	0.1 ml
Background:	Keratins are the major gene product of keratinocytes and form the intermediate filament cytoskeletal network in these cells. In cells of the upper spinous layer, KRT2E and KRT9 are expressed. Although the expression of KRT9 is limited to palmoplantar epidermis, KRT2E is expressed not only in this tissue but also in other regions, notably the epidermis covering the knee, thigh, and groin. It is not known whether these keratins simply replace their respective type I or type II counterpart in the preexisting KRT1/KRT10 network or dimerize with another, as yet undiscovered keratin partner.
Uniprot ID:	P35908
NCBI:	9606
GeneID:	3849
Host:	Guinea Pig
Immunogen:	Synthetic peptide (N-terminal aa 2-23) of human keratin K2.
Format:	State: Liquid serum Preservatives: 0.09% Sodium Azide Stabilizers: 0.5% BSA
Applications:	Immunoblotting: 1:5000 - 1:10 000; ECL method. Immunohistochemistry on frozen sections: 1:200. Immunohistochemistry on paraffin sections: 1:100; 1 h at RT. Immunohistochemistry on cytological material. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	The antiserum represents an excellent marker to study terminal epidermal differentiation. The mab is reactive with epidermal cells in uppermost suprabasal layers including scalp, foot and sole. It recognizes individual cells within epidermis of tongue and mamille (co-localization with keratin K1). It is also strongly reactive on hyperkeratosis of diverse origin. The mab does not react with palate keratin K76. Species: Human, Bovine, Mouse. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Collin C, Moll R, Kubicka S, Ouhayoun JP, Franke WW. Characterization of human cytokeratin 2, an epidermal cytoskeletal protein synthesized late during differentiation. Exp Cell Res. 1992 Sep;202(1):132-41. PubMed PMID: 1380918.

2. Swensson O, Langbein L, McMillan JR, Stevens HP, Leigh IM, McLean WH, et al. Specialized keratin expression pattern in human ridged skin as an adaptation to high physical stress. Br J Dermatol. 1998 Nov;139(5):767-75. PubMed PMID: 9892940.