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Product datasheet for BP5072

Cytokeratin 2 (KRT2) Guinea Pig Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	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.
Reactivity:	Bovine, Human, Mouse
Host:	Guinea Pig
Clonality:	Polyclonal
Immunogen:	Synthetic peptide (N-terminal aa 2-23) of human keratin K2.
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.
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 for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	keratin 2
Database Link:	Entrez Gene 3849 Human P35908

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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.

Synonyms: KRT2, KRT2A, KRT2E, Cytokeratin-2e, CK2e, K2e, Keratin-2