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Product datasheet for BM5091

Cytokeratin 2 (KRT2) (N-term) Mouse Monoclonal Antibody [Clone ID: Ks 2.342.7.4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	Ks 2.342.7.4
Applications:	IF, IHC, WB
Recommended Dilution:	**Western Blot (Alkaline Phosphatase)**: 1/200 **Western Blot (ECL)**: 1/60.000 **Immunofluorescence**: 1/200 **Immunohistochemistry on Frozen Sections**: 1/100. Pretreatment with Triton-X100 is recommended (*e.g.* 0.2% in PBS for 5 min). **Immunohistochemistry on Paraffin Sections**: 1/100. Microwave method is recommended.
Reactivity:	Bovine, Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Synthetic peptide (N-terminal amino acids nos. 2-23) of Human Cytokeratin K2 (MW 65,852).
Specificity:	*Ks 2.342.7.4* represents an excellent marker to study terminal epidermal differentiation. The Monoclonal antibody 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 K10). It is also reactive on hyperkeratosis of diverse viral and genetic origin. The Mab does **not** react with **palate** keratin K76. **Reactive Polypetide:** Basic human keratin K2 (MW 65,852; formerly also designated Cytokeratin 2e).
Formulation:	State: Supernatant State: Liquid Culture Supernatant 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 2

View online »

Database Link: Entrez Gene 3849 Human
P35908

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

Note: *Bovine: Calf hoof epidermis, snooze epithelium; negative with tongue epithelium
**Mouse/Rat: Heterogenously on foot sole epidermis only, negative with epidermis of other body sites.