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36-2647: Anti-Cytokeratin 1 (Suprabasal Keratinocyte Marker) Monoclonal Antibody(Clone: KRT1/1840)

Clonality: Monoclonal Clone Name: KRT1/1840

Application: IHC

Reactivity: Human, Rat
Gene: KRT1

Gene ID: 38748 **Uniprot ID:** P04264

67kDa Cytokeratin; CK1; Cytokeratin-1; EHK1; Epidermolytic hyperkeratosis 1; EPPK; K1;

Alternative Name: Keratin Type II Cytoskeletal 1; Keratin-1; KRT1; KRT1A; NEPPK; Type II cytoskeletal 1; Type-II

keratin Kb1

Isotype: Mouse IgG2a, kappa

Immunogen Information: Recombinant full-length human KRT1 protein

Description

Keratins are a family of intermediate filament proteins that assemble into filaments throµgh forming heterodimers of one type I keratin (keratins 9 to 23) and one type II keratin (keratins 1 to 8). Keratins demonstrate tissue and differentiation specific expression profiles. Cytokeratin 1 is a hetero-tetramer of two type I as well as two type II keratins, keratin-10 (KRT10). Keratin 1 is differentiation specific keratin that is one of the predominant keratins in suprabasal keratinocytes in stratified epithelia. Mutations in keratin 1 cause epidermolytic hyperkeratosis.

Product Info

Amount: 20 μg / 100 μg

Content: 200 μg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS

with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage condition : Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody

is stable for 24 months. Non-hazardous.

Application Note

Immunohistochemistry (Formalin-fixed) (2-4ug/ml for 30 min at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes)

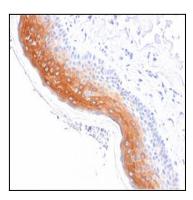


Fig. 1: Formalin-fixed, paraffin-embedded human Skin stained with Cytokeratin 1 Mouse Monoclonal Antibody (KRT1/1840).



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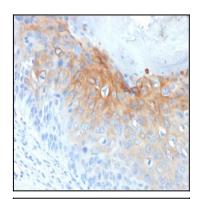


Fig. 2: Formalin-fixed, paraffin-embedded human Cervical Carcinoma stained with Cytokeratin 1 Mouse Monoclonal Antibody (KRT1/1840).

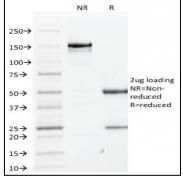


Fig. 3: SDS-PAGE Analysis Purified Cytokeratin 1 Mouse Monoclonal Antibody (KRT1/1840). Confirmation of Integrity and Purity of Antibody.