



### **CK14**

Mouse Monoclonal Antibody (Mab)
Catalog # APA138

## **Specification**

#### **CK14 - Product Information**

Application IHC
Primary Accession P02533
Host Mouse
Clonality Monoclonal
Calculated MW 51561 Da

#### **CK14 - Additional Information**

Gene ID 3861
Gene Name KRT14

**Other Names** 

Keratin, type I cytoskeletal 14, Cytokeratin-14, CK-14, Keratin-14, K14, KRT14

Storage Maintain refrigerated at 2-8°C for up to 2

weeks. For long term storage store at -20°C in small aliquots to prevent

freeze-thaw cycles.

Precautions CK14 is for research use only and not for

use in diagnostic or therapeutic

procedures.

## **CK14 - Protein Information**

Name KRT14

Function The nonhelical tail domain is involved in

promoting KRT5- KRT14 filaments to self-organize into large bundles and enhances the mechanical properties involved in resilience of keratin intermediate filaments in vitro.

Cellular Location Cytoplasm. Nucleus. Note=Expressed in

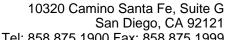
both as a filamentous pattern

Tissue Location Expressed in the corneal epithelium (at

protein level) (PubMed:26758872).

Detected in the basal layer, lowered within

the more apically located layers specifically in the stratum spinosum, stratum granulosum but is not detected in stratum corneum. Strongly expressed in the outer root sheath of anagen follicles but not in the germinative matrix, inner root sheath or hair (PubMed:9457912).



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Found in keratinocytes surrounding the club hair during telogen (PubMed:9457912).

## **CK14 - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- <u>Immunofluorescence</u>
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

# CK14 - Images