

**CK14**  
**Mouse Monoclonal Antibody (Mab)**  
**Catalog # APA138****Specification**

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**CK14 - Product Information**

Application	IHC
Primary Accession	<a href="#">P02533</a>
Host	Mouse
Clonality	Monoclonal
Calculated MW	51561 Da

**CK14 - Additional Information**

Gene ID	3861
Gene Name	KRT14
<b>Other Names</b>	
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).

**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](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## **CK14 - Images**