

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

Dilution

IHC~~1:100~500

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

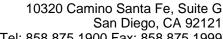
both as a filamentous pattern

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





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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 Cytomety
- Cell Culture

CK14 - Images