10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CK14
Mouse Monoclonal antibody(Mab)
Catalog # AD80138

Specification

CK14 - Product info

Application	**IHC-P**
Primary Accession	P02533
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Calculated MW	**51561**

CK14 - Additional info

Gene ID	**3861**
Gene Name	**KRT14**

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

Dilution
IHC-P~~Ready-to-use

Storage
Maintain refrigerated at 2-8°C

Precautions	**CK14 Antibody 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	**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**

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

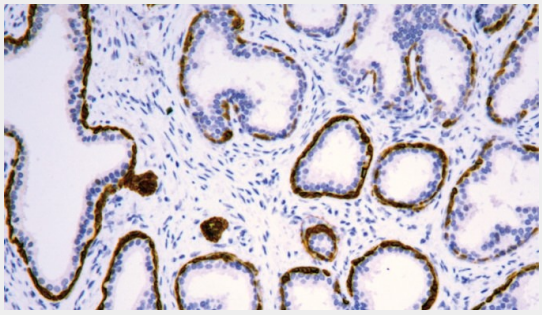
root sheath or hair. Found in keratinocytes surrounding the club hair during telogen.

CK14 - Protocols

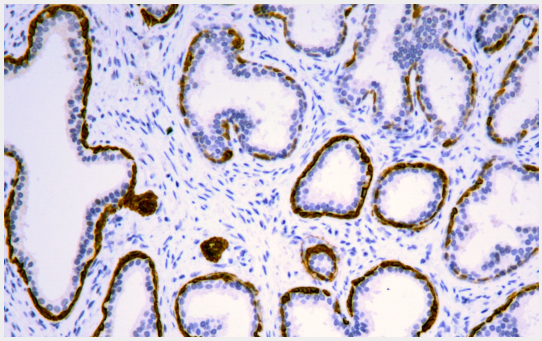
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CK14 - Images



Prostate cancer



Immunohistochemical analysis of paraffin-embedded prostatic cancer tissue using AD80138 performed on the Abcarta® FAIP-30 Fully automated IHC platform.Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a Citrate buffer (pH6. 0).Samples were incubated with primary antibody(Ready-to-use) for 15 min at room temperature. AmpSeeTM Detection Systems（Abcepta:AR005） was used as the secondary antibody.