

Cytokeratin 14 Antibody

Rabbit mAb Catalog # AP90579

Specification

Cytokeratin 14 Antibody - Product Information

Application WB, IHC, FC, ICC, IP

Primary Accession P02533
Clonality Monoclonal

Other Names

Keratin type I cytoskeletal 14; Cytokeratin-14; CK-14; CK14;

Isotype Rabbit IgG
Host Rabbit
Calculated MW 51561 Da

Cytokeratin 14 Antibody - Additional Information

Purification Affinity-chromatography

Immunogen A synthesized peptide derived from human

Cytokeratin 14

Description 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.

Storage Condition and Buffer Rabbit IgG in phosphate buffered saline,

pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid

freeze / thaw cycle.

Cytokeratin 14 Antibody - 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



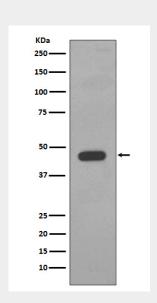
anagen follicles but not in the germinative matrix, inner root sheath or hair (PubMed:9457912). Found in keratinocytes surrounding the club hair during telogen (PubMed:9457912).

Cytokeratin 14 Antibody - Protocols

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

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

Cytokeratin 14 Antibody - Images



Western blot analysis of Cytokeratin 14 expression in A431 cell lysate.