

KRT14 / CK14 / Cytokeratin 14 Antibody (C-Terminus)
Mouse Monoclonal Antibody
Catalog # ALS12267**Specification**

KRT14 / CK14 / Cytokeratin 14 Antibody (C-Terminus) - Product Information

Application	IHC
Primary Accession	P02533
Reactivity	Human, Rat
Host	Mouse
Clonality	Monoclonal
Calculated MW	52kDa KDa

KRT14 / CK14 / Cytokeratin 14 Antibody (C-Terminus) - Additional Information**Gene ID** 3861**Other Names**

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

Target/Specificity

Recognizes human keratin 14 at 50kD. Species cross-reactivity: Rat.

Reconstitution & Storage

+4°C or -20°C, Avoid repeated freezing and thawing.

Precautions

KRT14 / CK14 / Cytokeratin 14 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

KRT14 / CK14 / Cytokeratin 14 Antibody (C-Terminus) - 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).

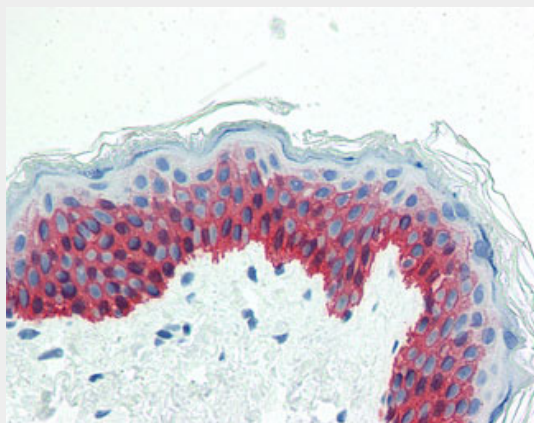
Volume
50 µl

KRT14 / CK14 / Cytokeratin 14 Antibody (C-Terminus) - 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](#)

KRT14 / CK14 / Cytokeratin 14 Antibody (C-Terminus) - Images



Anti-KRT14 / Cytokeratin 14 antibody IHC of human skin.

KRT14 / CK14 / Cytokeratin 14 Antibody (C-Terminus) - Background

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.

KRT14 / CK14 / Cytokeratin 14 Antibody (C-Terminus) - References

Marchuk D., et al. Cell 39:491-498(1984).
Marchuk D., et al. Proc. Natl. Acad. Sci. U.S.A. 82:1609-1613(1985).
Kalnina N., et al. Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Zody M.C., et al. Nature 440:1045-1049(2006).
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