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# KRT14 / CK14 / Cytokeratin 14 Antibody (C-Terminus, clone LL002)

**Mouse Monoclonal Antibody**
**Catalog # ALS15974**

## Specification

### KRT14 / CK14 / Cytokeratin 14 Antibody (C-Terminus, clone LL002) - Product Information

| | |
|---|---|
| Application | IHC |
| Primary Accession | P02533 |
| Reactivity | Human, Pig, Dog |
| Host | Mouse |
| Clonality | Monoclonal |
| Calculated MW | 52kDa KDa |

### KRT14 / CK14 / Cytokeratin 14 Antibody (C-Terminus, clone LL002) - Additional Information

**Gene ID** 3861

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

**Target/Specificity**
Recognizes cytokeratin 14, a type I intermediate filament, expressed by stratifying epithelial cells and can be used to distinguish these cell types from simple epithelial cells, which do not express cytokeratin 14

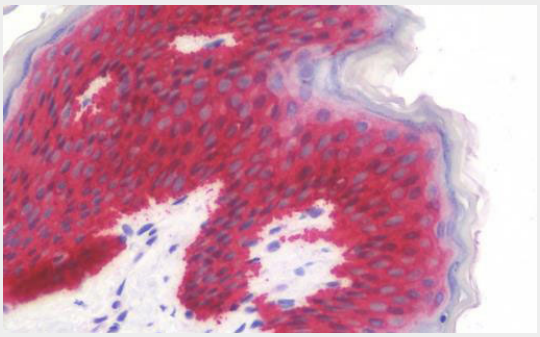
**Reconstitution & Storage**
Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

**Precautions**
KRT14 / CK14 / Cytokeratin 14 Antibody (C-Terminus, clone LL002) is for research use only and not for use in diagnostic or therapeutic procedures.

### KRT14 / CK14 / Cytokeratin 14 Antibody (C-Terminus, clone LL002) - Protein Information

**Name** KRT14

**Function**
The nonhelical tail domain is involved in



Anti-KRT14 / CK14 / Cytokeratin 14 antibody IHC staining of human skin.

### KRT14 / CK14 / Cytokeratin 14 Antibody (C-Terminus, clone LL002) - 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, clone LL002) - 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).
Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Zody M.C.,et al.Nature 440:1045-1049(2006).
Hanukoglu I.,et al.Cell 31:243-252(1982).

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, clone LL002) - 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