

**Anti-Cytokeratin 14 KRT14 Rabbit Monoclonal Antibody**  
Catalog # ABO14189**Specification****Anti-Cytokeratin 14 KRT14 Rabbit Monoclonal Antibody - Product Information**

Application	WB, IHC, IF, ICC
Primary Accession	<a href="#">P02533</a>
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

**Description**

Anti-Cytokeratin 14 KRT14 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human, Mouse, Rat.

**Anti-Cytokeratin 14 KRT14 Rabbit Monoclonal Antibody - Additional Information**

**Gene ID** 3861

**Other Names**

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

**Calculated MW**

51561 MW KDa

**Application Details**

WB 1:1000-1:2000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200

**Subcellular Localization**

Cytoplasm. Nucleus. Expressed in both as a filamentous pattern.

**Tissue Specificity**

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. Found in keratinocytes surrounding the club hair during telogen..

**Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen**

A synthesized peptide derived from human Cytokeratin 14

**Purification**

Affinity-chromatography

Storage

Store at -20°C for one year. For short term

**storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

## **Anti-Cytokeratin 14 KRT14 Rabbit Monoclonal 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**

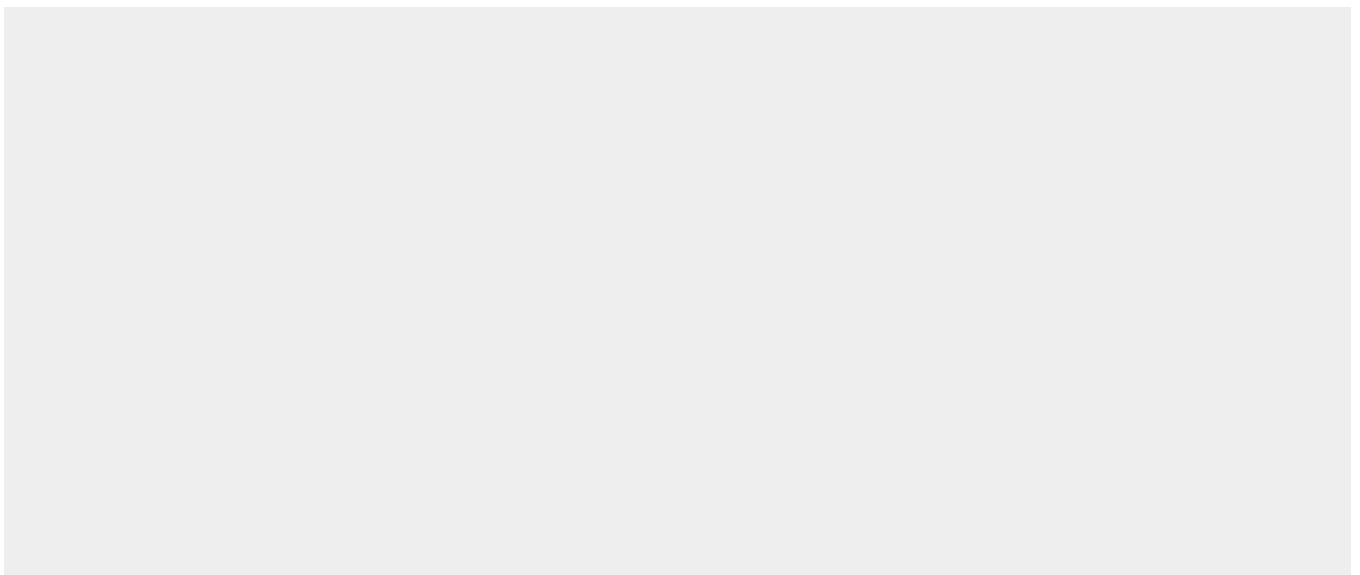
Expressed in the corneal epithelium (at protein level) (PubMed:26758872). Detected in the basal layer, lowered within the more apically located layers specifically in the stratum spinosum, stratum granulosum but is not detected in stratum corneum. Strongly expressed in the outer root sheath of anagen 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).

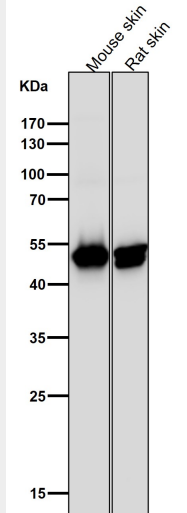
## **Anti-Cytokeratin 14 KRT14 Rabbit Monoclonal Antibody - Protocols**

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

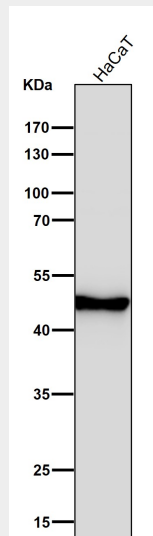
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## **Anti-Cytokeratin 14 KRT14 Rabbit Monoclonal Antibody - Images**

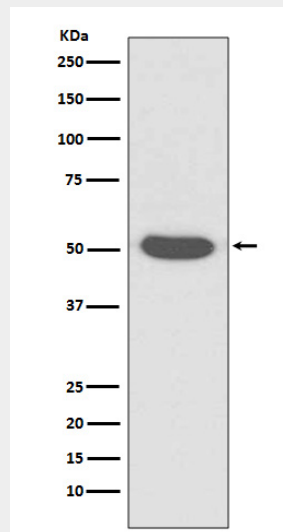




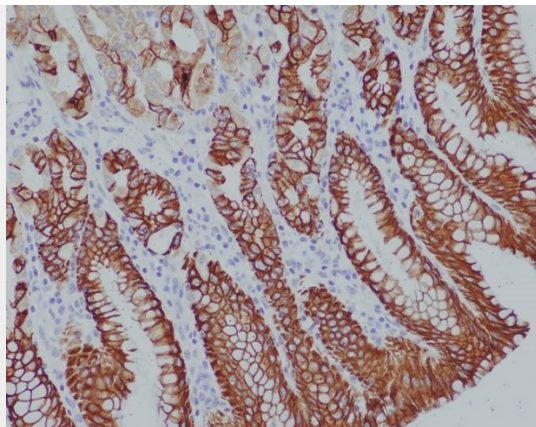
All lanes use the Antibody at 1:1W dilution for 1 hour at room temperature.



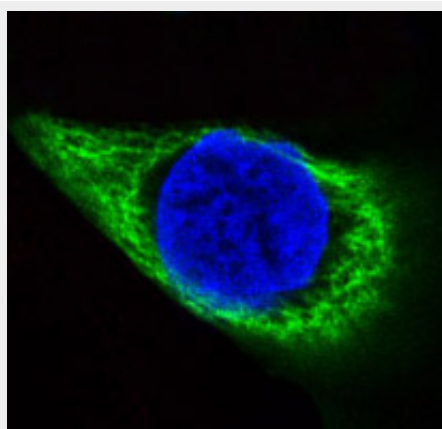
All lanes use the Antibody at 1:1W dilution for 1 hour at room temperature.



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



Immunohistochemical analysis of paraffin-embedded human stomach, using Cytokeratin 14 Antibody.



Immunofluorescent analysis of HACAT cells, using Cytokeratin 14 Antibody.