

**Rabbit Anti-Wide Spectrum Cytokeratin Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP52071****Specification**

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**Rabbit Anti-Wide Spectrum Cytokeratin Polyclonal Antibody - Product Information**

Application	WB, IHC-P, ICC
Primary Accession	<a href="#">P02533</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Antigen Region	human CK14:251-350/472

**Rabbit Anti-Wide Spectrum Cytokeratin Polyclonal Antibody - Additional Information****Gene ID** 3861**Other Names**

K14; NFJ; CK14; EBS3; EBS4; Keratin, type I cytoskeletal 14; Cytokeratin-14; CK-14; Keratin-14; KRT14

**Dilution**

<span class = "dilution\_WB">WB~~1:100~1:500</span><br \><span class = "dilution\_IHC-P">IHC-P~~1:100~1:500</span><br \><span class = "dilution\_ICC">ICC~~1:100~1:500</span>

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**Rabbit Anti-Wide Spectrum Cytokeratin Polyclonal 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

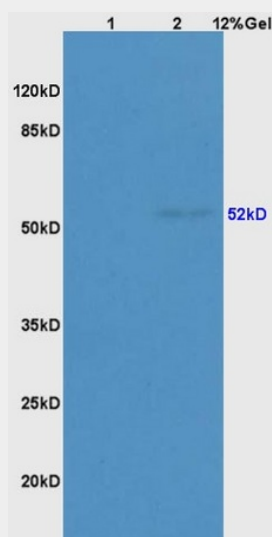
granulosum but is not detected in stratum corneum. Strongly expressed in the outer root sheath of anagen follicles but not in the germinative matrix, inner root sheath or hair (PubMed:9457912). Found in keratinocytes surrounding the club hair during telogen (PubMed:9457912).

### Rabbit Anti-Wide Spectrum Cytokeratin Polyclonal Antibody - Protocols

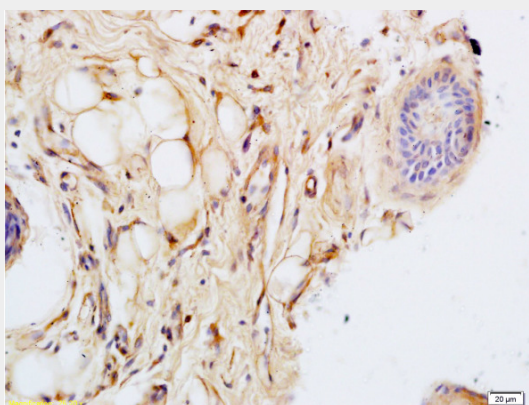
Provided below are standard protocols that you may find useful for product applications.

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

### Rabbit Anti-Wide Spectrum Cytokeratin Polyclonal Antibody - Images

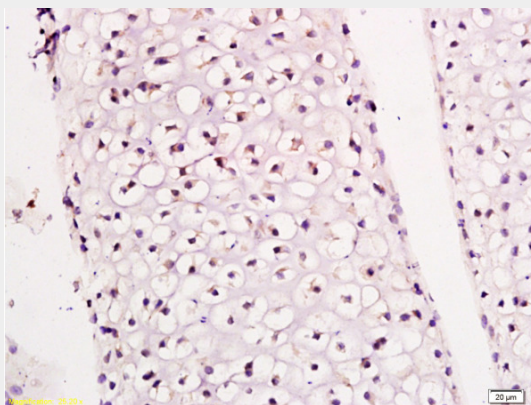


Lane 1: mouse embryo lysates Lane 2: rat brain lysates probed with Anti CK14/17/42/10 Polyclonal Antibody, Unconjugated at 1:3000 90min in 37°C. Predicted band 52kD. Observed band size: 52kD.



Formalin-fixed and paraffin embedded rat skin tissue labeled with Anti-CK14 Polyclonal Antibody,

Unconjugated(AP52071) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Formalin-fixed and paraffin embedded rat articular cartilage tissue labeled with Anti-CK14 Polyclonal Antibody, Unconjugated AP52071 at 1:300 followed by conjugation to the secondary antibody and DAB staining



Formalin-fixed and paraffin embedded human epithelial cells tissue labeled with Anti-CK14 Polyclonal Antibody, Unconjugated AP52071 at 1:300 followed by conjugation to the secondary antibody and DAB staining

### **Rabbit Anti-Wide Spectrum Cytokeratin Polyclonal Antibody - 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.