

# Cytokeratin 14 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51307

## Product Information

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<b>Application</b>	WB, ICC, IHC-P
<b>Primary Accession</b>	<a href="#">P02533</a>
<b>Reactivity</b>	Human, Mouse, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	51561

## Additional Information

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<b>Gene ID</b>	3861
<b>Other Names</b>	Keratin, type I cytoskeletal 14, Cytokeratin-14, CK-14, Keratin-14, K14, KRT14
<b>Dilution</b>	WB~~1:1000 ICC~~N/A IHC-P~~N/A
<b>Format</b>	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
<b>Storage</b>	Store at -20 °C.Stable for 12 months from date of receipt

## Protein Information

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<b>Name</b>	KRT14
<b>Function</b>	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.
<b>Cellular Location</b>	Cytoplasm. Nucleus. Note=Expressed in both as a filamentous pattern.
<b>Tissue Location</b>	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).

## Background

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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.

## References

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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).

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