

Cytokeratin 14 Polyclonal Antibody
Catalog # AP73356**Specification**

Cytokeratin 14 Polyclonal Antibody - Product Information

Application	WB, IHC-P
Primary Accession	P02533
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

Cytokeratin 14 Polyclonal Antibody - Additional Information**Gene ID** 3861**Other Names**

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

Dilution

WB~~Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000. Not yet tested in other applications.

IHC-P~~N/A

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

Cytokeratin 14 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

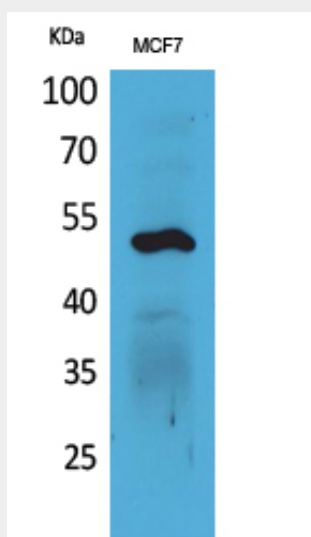
Expressed in the corneal epithelium (at protein level) (PubMed:26758872). Detected in the basal layer, lowered within the more apically located layers specifically in the stratum spinosum, stratum granulosum but is not detected in stratum corneum. Strongly expressed in the outer root sheath of anagen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

Cytokeratin 14 Polyclonal Antibody - Protocols

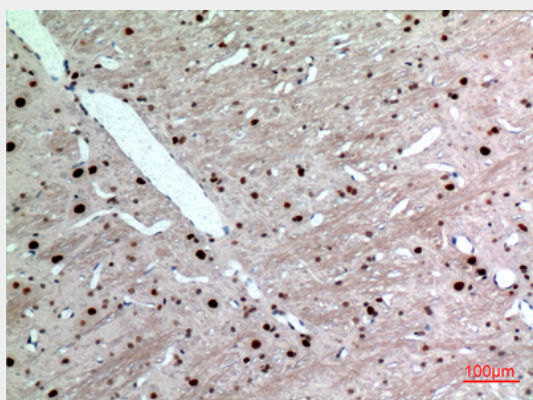
Provided below are standard protocols that you may find useful for product applications.

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

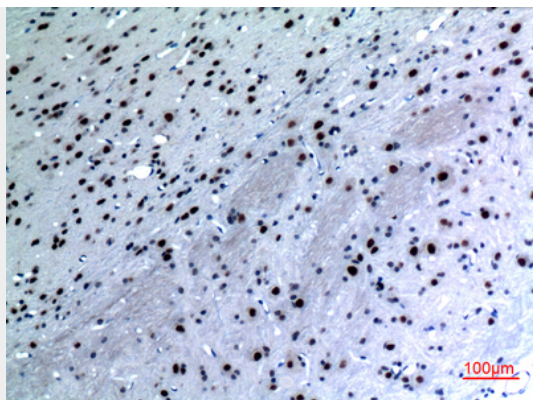
Cytokeratin 14 Polyclonal Antibody - Images



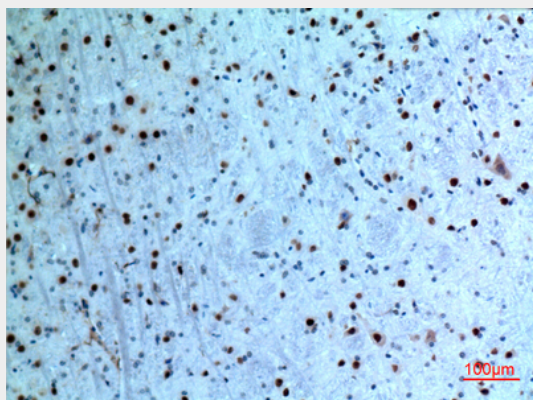
Western Blot analysis of MCF7 cells using Cytokeratin 14 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000



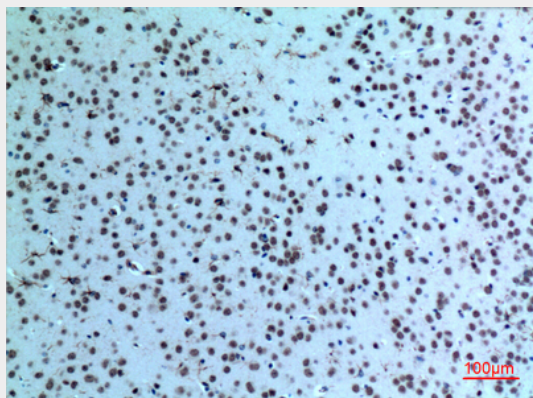
Immunohistochemical analysis of paraffin-embedded rat-brain, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded rat-brain, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded mouse-brain, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded mouse-brain, antibody was diluted at 1:100

Cytokeratin 14 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.