

Nur für Forschungszwecke

# Cytokeratin 14 Polyklonaler Antikörper



Katalog-Nr.: 10143-1-AP

Vorgestelltes Produkt

53 Publikationen

## Allgemeine Informationen

Katalog-Nr.:  
10143-1-AP

Größe:  
150ul, Konzentration: 1000 µg/ml von 3861  
Nanodrop und 360 µg/ml durch die  
Bradford-Methode mit BSA als  
Standard;

Wirt:  
Kaninchen

Isotyp:  
IgG

Immunogen Katalognummer:  
AG0188

GenBank-Zugangsnummer:  
BC002690

GeneID (NCBI):

Vollständiger Name:  
keratin 14

Berechnete Masse:  
472 aa, 52 kDa

Beobachtete Masse:  
47-50 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:500-1:2000  
IP 0.5-4.0 µg für IP und 1:500-1:2000  
für WB  
IHC 1:20-1:200  
IF 1:200-1:800

## Anwendungen

Geprüfte Anwendungen:

FC, IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

IF, IHC, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Human, Maus, Ratte

**Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

Positivkontrollen:

WB: A431-Zellen, Rattenhautgewebe

IP: A431-Zellen,

IHC: humanes Lungenkarzinomgewebe, humanes Hautgewebe, humanes Hautkrebsgewebe, humanes Mammakarzinomgewebe, humanes Ösophaguskarzinomgewebe, humanes Zervixkarzinomgewebe, Mausehautgewebe

IF: HepG2-Zellen, HeLa-Zellen, Maus-Riechepithelgewebe

## Hintergrundinformationen

Keratins are a large family of proteins that form the intermediate filament cytoskeleton of epithelial cells, which are classified into two major sequence types. Type I keratins are a group of acidic intermediate filament proteins, including K9-K23, and the hair keratins Ha1-Ha8. Type II keratins are the basic or neutral counterparts to the acidic type I keratins, including K1-K8, and the hair keratins, Hb1-Hb6. Keratin 14 is a type I cytokeratin. It is usually found as a heterotetramer with keratin 5. Keratins K14 and K5 have long been considered to be biochemical markers of the stratified squamous epithelia, including epidermis.

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Vlasta Lungova	31551422	Nat Commun	IF
Zichun Gu	28975248	JAMA Facial Plast Surg	IHC
Zhen-Huang Chen	32918999	Mol Cell Neurosci	IHC

## Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

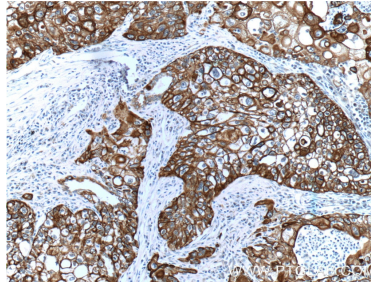
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

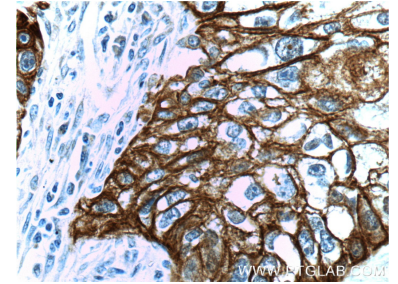
## Ausgewählte Validierungsdaten



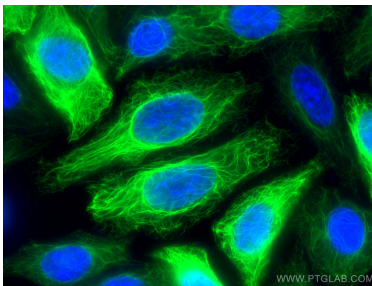
A431 cells were subjected to SDS PAGE followed by western blot with 10143-1-AP (Cytokeratin 14 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



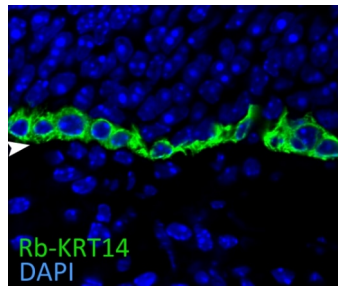
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 10143-1-AP (Cytokeratin 14 antibody at dilution of 1:200 (under 10x lens).



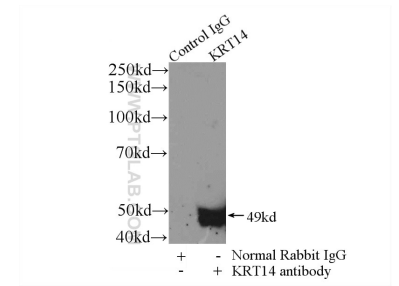
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 10143-1-AP (Cytokeratin 14 antibody at dilution of 1:200 (under 40x lens).



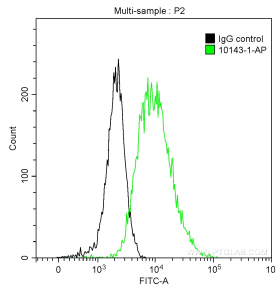
Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using Cytokeratin 14 antibody (10143-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IF result of CK14 (10143-1-AP, 1:400) with 1% PLP fixed basal quiescent stem cells of the adult mouse olfactory epithelium. (Green: CK14; Blue: DAPI). Basal lamina is marked by an arrow head. By Brian Lin, Tufts University.



IP Result of anti-Cytokeratin 14 (IP:10143-1-AP, 3ug; Detection:10143-1-AP 1:1000) with A431 cells lysate 1200ug.



1x10<sup>6</sup> A431 cells were intracellularly stained with 0.2 ug Anti-Human Cytokeratin 14 (10143-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (green), and 0.2 ug Control Antibody. Cells were fixed with 90% MeOH.