

For Research Use Only

# Cytokeratin 8 Polyclonal antibody

Catalog Number: 27105-1-AP

4 Publications



## Basic Information

<b>Catalog Number:</b> 27105-1-AP	<b>GenBank Accession Number:</b> BC008200	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 500 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3856	<b>Recommended Dilutions:</b> WB 1:2000-1:16000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P05787	<b>IHC 1:2000-1:8000</b>
<b>Isotype:</b> IgG	<b>Full Name:</b> keratin 8	<b>IF/ICC 1:50-1:500</b>
<b>Immunogen Catalog Number:</b> AG25844	<b>Calculated MW:</b> 54 kDa	
	<b>Observed MW:</b> 52 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, ELISA	<b>Positive Controls:</b> WB : HeLa cells, HepG2 cells
<b>Cited Applications:</b> WB, IHC, IF	<b>IHC :</b> human tonsillitis tissue, human colon tissue, mouse skin tissue, rat skin tissue, human brown disease
<b>Species Specificity:</b> human, mouse, rat	<b>IF/ICC :</b> HepG2 cells,
<b>Cited Species:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

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. KRT8 is often paired with keratin 18 in vivo.

## Notable Publications

Author	Pubmed ID	Journal	Application
Zixuan Fang	39819676	J Transl Med	IF
Yan Wang	38817872	J Cancer	WB,IHC
Hua Chen	37956258	Environ Toxicol	IHC

## Storage

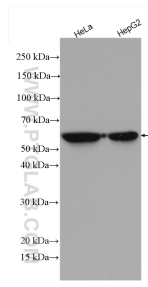
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

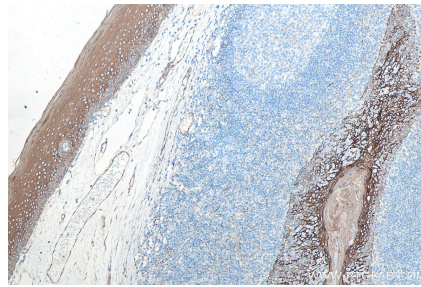
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

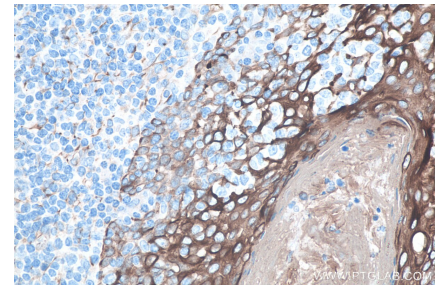
## Selected Validation Data



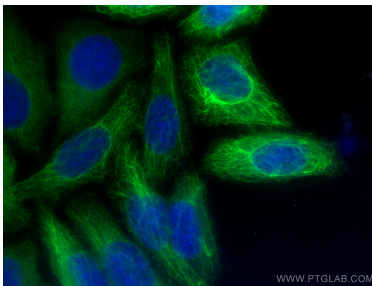
Various lysates were subjected to SDS PAGE followed by western blot with 27105-1-AP (Cytokeratin 8-specific antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 27105-1-AP (Cytokeratin 8-specific antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 27105-1-AP (Cytokeratin 8-specific antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using Cytokeratin 8-specific antibody (27105-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).