

For Research Use Only

# CoraLite®594-conjugated Cytokeratin 14 Monoclonal antibody

Catalog Number:CL594-60320



## Basic Information

<b>Catalog Number:</b> CL594-60320	<b>GenBank Accession Number:</b> BC002690	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3861	<b>CloneNo.:</b> 2G1E2
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P02533	<b>Recommended Dilutions:</b> IF-P 1:50-1:500 IF/ICC 1:50-1:500
<b>Isotype:</b> IgG1	<b>Full Name:</b> keratin 14	<b>Excitation/Emission maxima wavelengths:</b> 588 nm / 604 nm
<b>Immunogen Catalog Number:</b> AG17559	<b>Calculated MW:</b> 472 aa, 52 kDa	
	<b>Observed MW:</b> 52 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, IF-P	<b>Positive Controls:</b> IF-P : mouse skin tissue, IF/ICC : A431 cells,
<b>Species Specificity:</b> human, mouse	

## 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. 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.

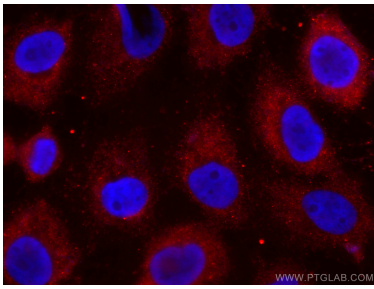
## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

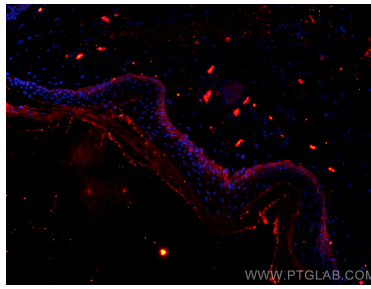
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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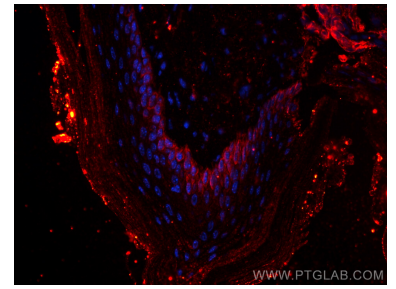
## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed A431 cells using CL594-60320 (Cytokeratin 14 antibody) at dilution of 1:100.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse skin tissue using CoraLite®594 Cytokeratin 14 antibody (CL594-60320, Clone: 2G1E2 ) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse skin tissue using CoraLite®594 Cytokeratin 14 antibody (CL594-60320, Clone: 2G1E2 ) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).