

For Research Use Only



# CoraLite® Plus 488-conjugated Cytokeratin 1-specific Polyclonal antibody

Catalog Number: **CL488-16848**

## Basic Information

<b>Catalog Number:</b> CL488-16848	<b>GenBank Accession Number:</b> NM_006121	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3848	<b>Recommended Dilutions:</b> IF/ICC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P04264	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Isotype:</b> IgG	<b>Full Name:</b> keratin 1	
	<b>Calculated MW:</b> 66 kDa	
	<b>Observed MW:</b> 67 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC	<b>Positive Controls:</b> IF/ICC : A431 cells,
<b>Species Specificity:</b> human, mouse, rat	

## 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-1 is type II keratin. It is a specific marker for terminal differentiation in mammalian epidermis. It is specifically expressed in the spinous and granular layers of the epidermis with family member KRT 10 and mutations in these genes have been associated with bullous congenital ichthyosiform erythroderma. This antibody is specifically against ketatin I.

## Storage

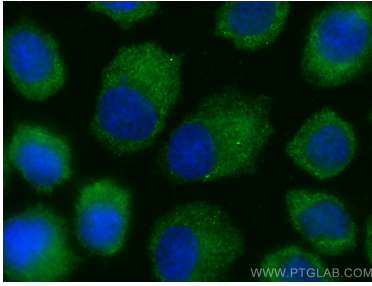
**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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)  
W: [ptglab.com](http://ptglab.com)

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## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol)  
fixed A431 cells using CoraLite® Plus 488  
Cytokeratin 1-specific antibody (CL488-16848) at  
dilution of 1:200.