

For Research Use Only

CoraLite®594-conjugated Cytokeratin 5 Polyclonal antibody

Catalog Number:CL594-28506



Basic Information

Catalog Number:

CL594-28506

Size:

100ul , Concentration: 1000 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG25436

GenBank Accession Number:

BC024292

GeneID (NCBI):

3852

UNIPROT ID:

P13647

Full Name:

keratin 5

Calculated MW:

590 aa, 62 kDa

Observed MW:

62 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF-P 1:50-1:500

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

IF/ICC, IF-P

Species Specificity:

human, mouse, rat

Positive Controls:

IF-P : human tonsillitis tissue,

IF/ICC : A431 cells,

Background Information

Cytokeratin 5 (CK5) is a type II intermediate filament protein predominantly expressed in basal epithelial cells of various tissues, including the skin, breast, salivary glands, urinary tract, and upper aerodigestive tract. It is commonly found in specialized cell types such as squamous cells, basal cells, and myoepithelial cells. CK5 forms heterodimers with cytokeratin 14 and plays a crucial role in providing structural support to epithelial cells.

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:

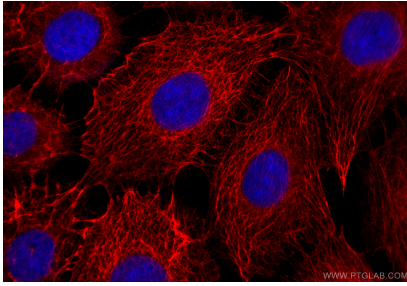
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com

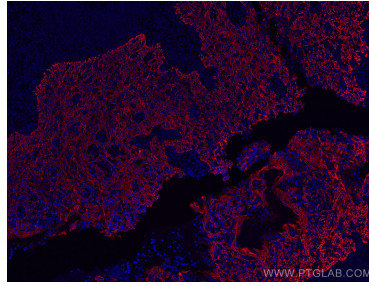
W: ptglab.com

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Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using CoraLite®594 Cytokeratin 5 antibody (CL594-28506) at dilution of 1:200.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human tonsillitis tissue using CoraLite®594 Cytokeratin 5 antibody (CL594-28506) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).