

For Research Use Only

CoraLite®594-conjugated Cytokeratin 18 Polyclonal antibody



Catalog Number:CL594-10830

Basic Information

| | | |
|---|--|---|
| Catalog Number: CL594-10830 | GenBank Accession Number: BC000180 | Purification Method: Antigen affinity purification |
| Size: 100ul , Concentration: 1000 µg/ml by Nanodrop; | GeneID (NCBI): 3875 | Recommended Dilutions: WB 1:1000-1:4000 IF 1:50-1:500 |
| Source: Rabbit | Full Name: keratin 18 | Excitation/Emission maxima wavelengths: 593 nm / 614 nm |
| Isotype: IgG | Calculated MW: 48 kDa | |
| Immunogen Catalog Number: AG1260 | Observed MW: 48 kDa | |

Applications

Tested Applications:

FC (Intra), IF, WB

Species Specificity:

human, mouse

Positive Controls:

WB : A431 cells, HeLa cells, K-562 cells, MCF-7 cells

IF : HepG2 cells, HeLa cells

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. KRT18, also named as CYK18, PIG46 and K18, is the most commonly found members of the intermediate filament gene family. KRT18 is a type I keratin which is found primarily in non squamous epithelia and is present in a majority of adenocarcinomas and ductal carcinomas but not in squamous cell carcinomas.

Storage

Storage:

Store at -20°C. Avoid exposure to light.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

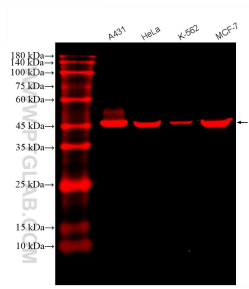
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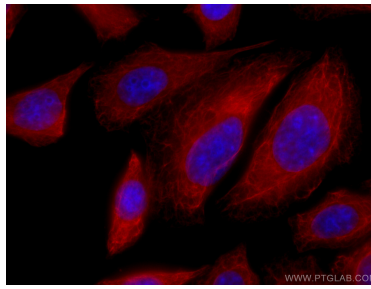
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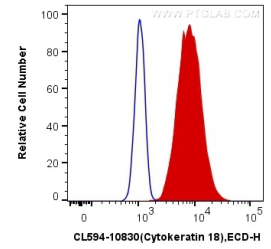
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with CL594-10830 (Cytokeratin 18 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using CoraLite®594 Cytokeratin 18 antibody (CL594-10830) at dilution of 1:200.



1×10^6 HeLa cells were intracellularly stained with 0.4 μ g CoraLite®594 Anti-Human Cytokeratin 18 (CL594-10830) (red), or 0.4 μ g Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).