

CoraLite®594-conjugated Cytokeratin 18 Polyclonal antibody

Catalog Number: **CL594-10830**

Basic Information

Catalog Number:

CL594-10830

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1260

GenBank Accession Number:

BC000180

GeneID (NCBI):

3875

UNIPROT ID:

P05783

Full Name:

keratin 18

Calculated MW:

48 kDa

Observed MW:

48 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IF/ICC 1:50-1:500

**Excitation/Emission maxima
wavelengths:**

588 nm / 604 nm

Applications

Tested Applications:

WB, IF/ICC, FC (Intra)

Species Specificity:

human, mouse

Positive Controls:

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

IF/ICC : 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:

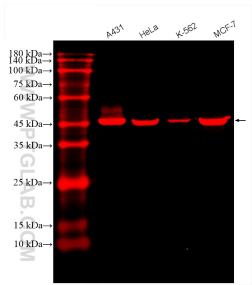
Store at -20°C. Avoid exposure to light.

Storage Buffer:

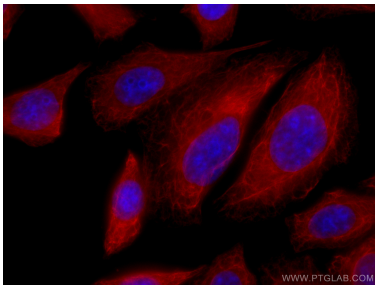
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

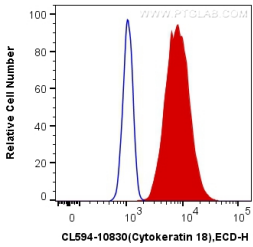
Selected Validation Data



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.



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug CoraLite® 594 Anti-Human Cytokeratin 18 (CL594-10830) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).