

For Research Use Only

# CoraLite®594-conjugated RPL3 Monoclonal antibody

Catalog Number:CL594-66130



## Basic Information

### Catalog Number:

CL594-66130

### Size:

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

### Source:

Mouse

### Isotype:

IgG1

### Immunogen Catalog Number:

AG20400

### GenBank Accession Number:

BC012786

### GeneID (NCBI):

6122

### UNIPROT ID:

P39023

### Full Name:

ribosomal protein L3

### Calculated MW:

46/27 kDa

### Observed MW:

46 kDa

### Purification Method:

Protein G purification

### CloneNo.:

2G1B8

### Recommended Dilutions:

WB 1:500-1:1000

IF/ICC 1:50-1:500

### Excitation/Emission maxima wavelengths:

588 nm / 604 nm

## Applications

### Tested Applications:

WB, IF/ICC

### Species Specificity:

human, mouse, rat

### Positive Controls:

WB : HEK-293 cells, HeLa cells, Jurkat cells

IF/ICC : HepG2 cells,

## Background Information

Ribosomes, the complexes that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. RPL3, also named as TARBP-B and MGC104284, belongs to the ribosomal protein L3P family. This protein is a component of the 60S subunit. It can bind to the HIV-1 TAR mRNA, and it has been suggested that the protein contributes to tat-mediated transactivation. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.

## 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

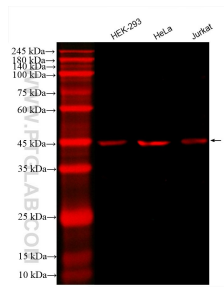
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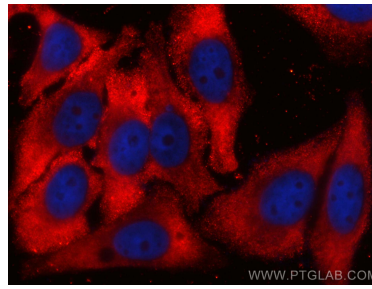
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with CL594-66130 (RPL3 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CoraLite® 594 RPL3 antibody (CL594-66130, Clone: 2G1B8 ) at dilution of 1:200.