

For Research Use Only

# CoraLite®594-conjugated RRBP1 Polyclonal antibody

Catalog Number: CL594-22015

Featured Product



## Basic Information

### Catalog Number:

CL594-22015

### Size:

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

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG16648

### GenBank Accession Number:

BC128577

### GeneID (NCBI):

6238

### UNIPROT ID:

Q9P2E9

### Full Name:

ribosome binding protein 1 homolog  
180kDa (dog)

### Calculated MW:

1410 aa, 152 kDa

### Observed MW:

180 kDa, 109 kDa

### Purification Method:

Antigen Affinity Purified

### Recommended Dilutions:

IF/ICC 1:50-1:500

### Excitation/Emission maxima wavelengths:

588 nm / 604 nm

## Applications

### Tested Applications:

IF/ICC, FC (Intra)

### Species Specificity:

human, mouse

### Positive Controls:

IF/ICC : HepG2 cells,

## Background Information

Ribosome-binding protein 1 (RRBP1) is an endoplasmic reticulum membrane protein. It is a 1410 amino acid protein composed of a hydrophobic NH2-terminus that includes a transmembrane domain, a highly conserved tandem repeat (ribosome-binding domain), and an acidic coiled-coil COOH-terminal domain. RRBP1 acts as a ribosome receptor and mediates interaction between the ribosome and the endoplasmic reticulum membrane. It is also involved in early cardiac morphogenesis. (PMID: 22709790; 8812507; 7686155)

## 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

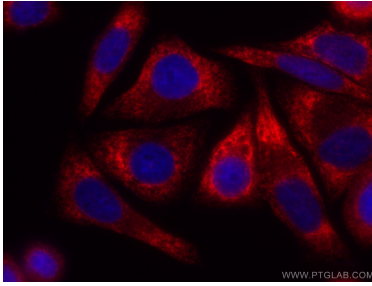
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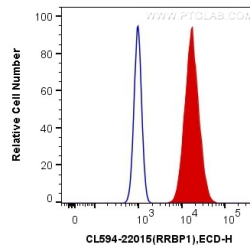
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## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CoraLite®594-conjugated RRP1 antibody (CL594-22015) at dilution of 1:200.



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.4 ug CoraLite®594 Anti-Human RRP1 (CL594-22015) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).