

For Research Use Only

# CoraLite®594-conjugated P53 Polyclonal antibody

Catalog Number:CL594-10442

Featured Product



## Basic Information

Catalog Number:

CL594-10442

Size:

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

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0698

GenBank Accession Number:

BC003596

GeneID (NCBI):

7157

UNIPROT ID:

P04637

Full Name:

tumor protein p53

Calculated MW:

44 kDa

Observed MW:

53 kDa

Purification Method:

Antigen affinity purification

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, rat

Positive Controls:

IF/ICC : A431 cells,

## Background Information

TP53, also known as P53 and NY-CO-13, belongs to the p53 family and has 9 isoforms. In SDS-Page, the observed molecular weight is about 53 kDa. TP53 acts as a tumor suppressor in many tumor types, including growth arrest or apoptosis depending on the physiological circumstances and cell types. It is involved in cell cycle regulation as a trans-activator that acts to negatively regulate cell division by controlling a set of genes required for this process. TP53 Localizes in the nucleus in most cells but found in the cytoplasm in some cells. (PMID: 26166714; PMID: 25225161)

## 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

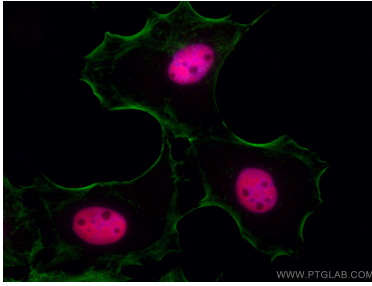
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free  
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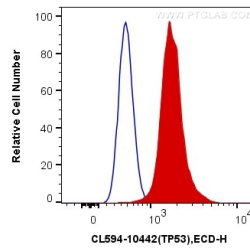
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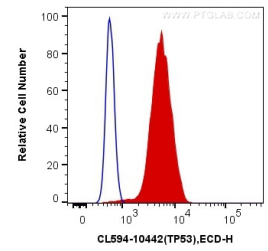
## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed A431 cells using CoraLite®594 P53 antibody (CL594-10442) at dilution of 1:200, CL488-Phalloidin (green). DAPI (blue).



1X10<sup>6</sup> HepG2 cells were intracellularly stained with 0.4 ug CoraLite®594 Anti-Human P53 (CL594-10442) (red), and 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



1X10<sup>6</sup> A431 cells were intracellularly stained with 0.2 ug CoraLite®594 Anti-Human P53 (CL594-10442) (red), or 0.2 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).