

For Research Use Only

# CoraLite® Plus 488-conjugated P53 Recombinant antibody



Catalog Number: CL488-80077

## Basic Information

|                                       |  |   |
|---------------------------------------|--|---|
| <b>Catalog Number:</b><br>CL488-80077 | <b>GenBank Accession Number:</b><br>BC003596 | <b>Purification Method:</b><br>Protein A purification                 |
| <b>Size:</b><br>1000 µg/ml            | <b>GeneID (NCBI):</b><br>7157                | <b>CloneNo.:</b><br>2H13  |
| <b>Source:</b><br>Rabbit              | <b>UNIPROT ID:</b><br>P04637                 | <b>Recommended Dilutions:</b><br>IF 1:50-1:500                        |
| <b>Isotype:</b><br>IgG                | <b>Full Name:</b><br>tumor protein p53       | <b>Excitation/Emission maxima<br/>wavelengths:</b><br>493 nm / 522 nm |
|                                       | <b>Calculated MW:</b><br>44 kDa              |   |
|                                       | <b>Observed MW:</b><br>53 kDa                |   |

## Applications

|   |  |
|---|--|
| <b>Tested Applications:</b><br>FC (Intra), IF/ICC | <b>Positive Controls:</b><br>IF : HepG2 cells, |
| <b>Species Specificity:</b><br>Human, mouse, rat  |  |

## 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.  
**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:

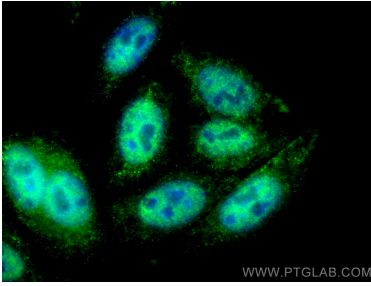
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

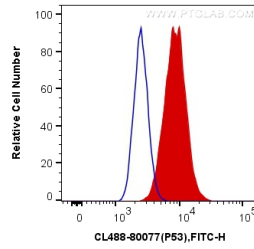
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite® Plus 488 P53 antibody (CL488-80077, Clone: 2H13) at dilution of 1:200.



1X10<sup>6</sup> HepG2 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human P53 (CL488-80077, Clone:2H13) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).