For Research Use Only

CoraLite® Plus 488-conjugated P53 Recombinant antibody

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Catalog Number:CL488-80077

Basic Information

Catalog Number:
CL488-80077

Size:
100ul , Concentration: 1000 µg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

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:
Protein A purification

CloneNo.:
2H13

Recommended Dilutions:
IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
IF/ICC, FC (Intra)

Species Specificity:
human, mouse, rat

Positive Controls:

IF/ICC : HepG2 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)

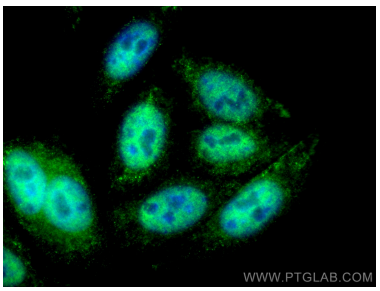
Storage

Storage:
Store at -20°C. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

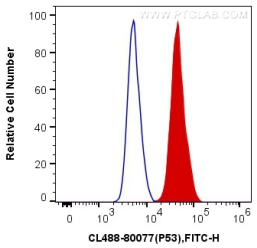
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.



1X10^6 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 and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).