

For Research Use Only

CoraLite® Plus 647-conjugated P53 Recombinant antibody



Catalog Number: CL647-80077

Basic Information

Catalog Number: CL647-80077	GenBank Accession Number: BC003596	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 7157	CloneNo.: 2H13
Source: Rabbit	Full Name: tumor protein p53	Excitation/Emission maxima wavelengths: 650 nm / 665 nm
Isotype: IgG	Calculated MW: 44 kDa	
	Observed MW: 53 kDa	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
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.

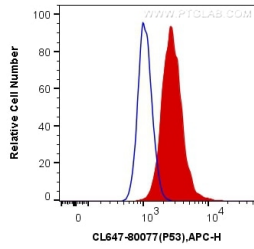
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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



1X10⁶ HepG2 cells were intracellularly stained with 0.4 ug CoraLite® Plus 647 Anti-Human P53 (CL647-80077, Clone:2H13) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).