

For Research Use Only

CoraLite®594-conjugated P53 Recombinant antibody



Catalog Number:CL594-80077

Basic Information

Catalog Number: CL594-80077	GenBank Accession Number: BC003596	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 7157	CloneNo.: 2H13
Source: Rabbit	UNIPROT ID: P04637	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG	Full Name: tumor protein p53	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
	Calculated MW: 44 kDa	
	Observed MW: 53 kDa	

Applications

Tested Applications: IF/ICC, FC (Intra)	Positive Controls: IF : A431 cells,
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. 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:

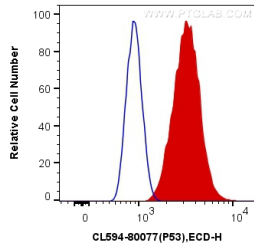
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed A431 cells using CoraLite®594 P53 antibody (CL594-80077, Clone: 2H13) at dilution of 1:200.

1X10⁶ HepG2 cells were intracellularly stained with 0.4 ug CoraLite®594 Anti-Human P53 (CL594-80077, Clone:2H13) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).