

For Research Use Only

CoraLite®594-conjugated P53 Monoclonal antibody



Catalog Number:CL594-60283

Basic Information

Catalog Number: CL594-60283	GenBank Accession Number: BC003596	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 7157	CloneNo.: 6C4B6
Source: Mouse	Full Name: tumor protein p53	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Isotype: IgG2b	Calculated MW: 44 kDa	
Immunogen Catalog Number: AG0698	Observed MW: 53 kDa	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
Human, rat, mouse

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.

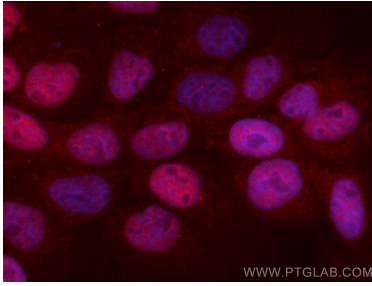
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

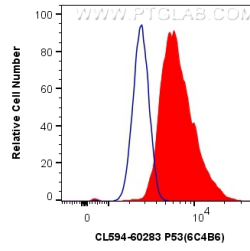
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed A431 cells using CoraLite®594 P53 antibody (CL594-60283, Clone: 6C4B6) at dilution of 1:200.



1×10^6 HeLa cells were intracellularly stained with 0.4 μ g CoraLite®594 Anti-Human P53 (CL594-60283, Clone:6C4B6) (red), or 0.4 μ g Mouse IgG2b Isotype Control (CL594-66360-3, Clone: K11B8C4B5) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).