

For Research Use Only



CoraLite® Plus 488-conjugated Phospho-P53 (Ser46) Recombinant monoclonal antibody

Catalog Number:CL488-80077-9

Basic Information

Catalog Number: CL488-80077-9	GenBank Accession Number: BC003596	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 7157	CloneNo.: 250307A3
Source: Rabbit	UNIPROT ID: P04637	Recommended Dilutions: IF/ICC: 1:50-1:500
Isotype: IgG	Full Name: tumor protein p53	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
	Calculated MW: 44 kDa	
	Observed MW: 53 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : etoposide treated HT-29 cells,
Species Specificity: human	

Background Information

The p53 tumor suppressor protein plays a major role in cellular response to DNA damage and other genomic aberrations. Activation of p53 can lead to either cell cycle arrest and DNA repair or apoptosis. Phosphorylation of p53 at Ser46 regulates the ability of p53 to induce apoptosis. Homeodomain-interacting protein kinase 2 (HIPK2) Phosphorylates Ser46 off p53 and p38 can phosphorylate this site.

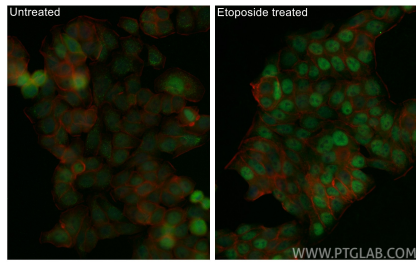
Storage

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, pH7.3
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
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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 etoposide treated HT-29 cells using CoraLite® Plus 488 Phospho-P53 (Ser46) antibody (CL488-80077-9, Clone: 250307A3) at dilution of 1:200, CL594-Phalloidin (red).