

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

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.:

250307A3

Recommended Dilutions:

IF/ICC: 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human

Positive Controls:

IF/ICC : etoposide treated HT-29 cells,

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:

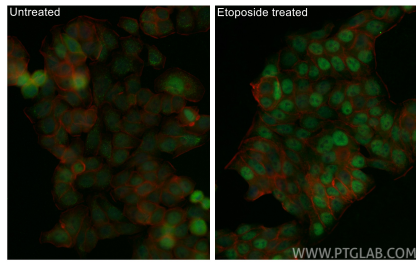
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.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 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).