

For Research Use Only

# P53 Monoclonal antibody, PBS Only (Capture/Detector)

Catalog Number: 60283-2-PBS

Featured Product



## Basic Information

Catalog Number:

60283-2-PBS

Size:

1000 ug/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG0698

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.:

6C4B6

## Applications

Tested Applications:

WB, IHC, IF/ICC, Cytometric bead array, Indirect ELISA

Species Specificity:

human, 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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

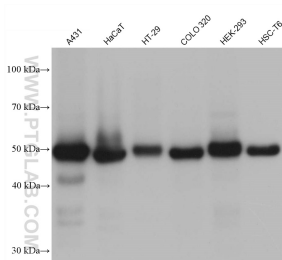
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

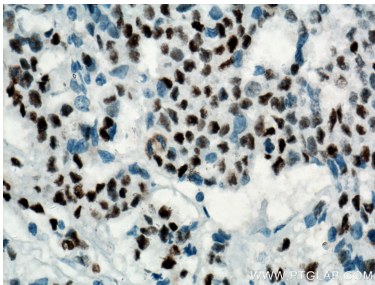
W: [ptgcn.com](http://ptgcn.com)

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

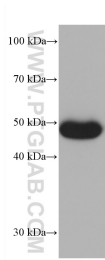
Selected Validation Data



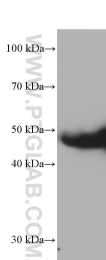
Various lysates were subjected to SDS PAGE followed by western blot with 60283-2-Ig (P53 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 60283-2-PBS in a different storage buffer formulation.



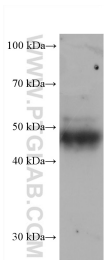
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 60283-2-Ig (P53 antibody) at dilution of 1:3200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60283-2-PBS in a different storage buffer formulation.



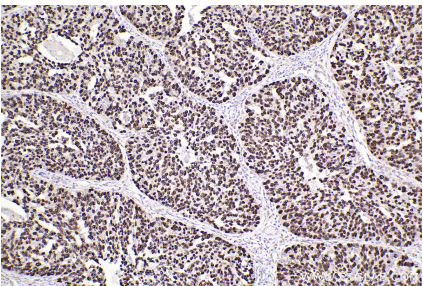
HSC-T6 cells were subjected to SDS PAGE followed by western blot with 60283-2-Ig (P53 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 60283-2-PBS in a different storage buffer formulation.



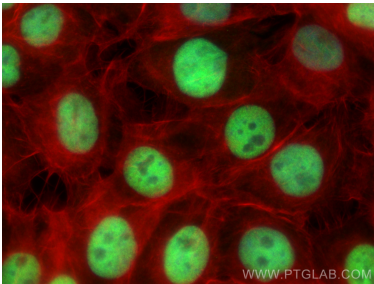
ROS1728 cells were subjected to SDS PAGE followed by western blot with 60283-2-Ig (P53 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 60283-2-PBS in a different storage buffer formulation.



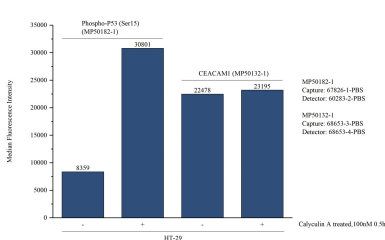
rat thymus tissue were subjected to SDS PAGE followed by western blot with 60283-2-Ig (P53 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 60283-2-PBS in a different storage buffer formulation.



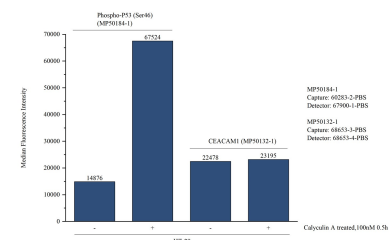
Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 60283-2-Ig (P53 antibody) at dilution of 1:10000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60283-2-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed A431 cells using P53 antibody (60283-2-Ig, Clone: 6C4B6 ) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-phalloidin (red). This data was developed using the same antibody clone with 60283-2-PBS in a different storage buffer formulation.



Cytometric bead array in cell lysate using MP50182-1, Phospho-P53 (Ser15) Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 67826-1-PBS. Detection antibody: 60283-2-PBS. Cell lysate: Non-treated HT-29 and Calyculin A treated HT-29 (30 μg/well). Non-related target CEACAM1 Monoclonal Matched Antibody Pair (MP50132-1) was served as control.



Cytometric bead array in cell lysate using MP50184-1, Phospho-P53 (Ser46) Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 60283-2-PBS. Detection antibody: 67900-1-PBS. Cell lysate: Non-treated HT-29 and Calyculin A treated HT-29 (30 μg/well). Non-related target CEACAM1 Monoclonal Matched Antibody Pair (MP50132-1) was served as control.