

For Research Use Only

P53 Monoclonal antibody

Catalog Number: 60283-2-Ig

Featured Product

363 Publications



Basic Information

Catalog Number: 60283-2-Ig	GenBank Accession Number: BC003596	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 7157	CloneNo.: 6C4B6
Source: Mouse	UNIPROT ID: P04637	Recommended Dilutions: WB: 1:5000-1:50000 IHC: 1:2000-1:8000 IF/ICC: 1:400-1:1600
Isotype: IgG2b	Full Name: tumor protein p53	
Immunogen Catalog Number: AG0698	Calculated MW: 44 kDa	
	Observed MW: 53 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Cited Applications:
WB, IHC, IF, IP, CoIP

Species Specificity:
human, rat

Cited Species:
human, rat, pig, rabbit, canine, zebrafish, hamster

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: A431 cells, COLO 320 cells, HSC-T6 cells, rat thymus tissue, ROS1728 cells, HaCaT cells, HT-29 cells, HEK-293 cells

IHC: human ovary cancer tissue, human breast cancer tissue, human colon cancer tissue, human gliomas tissue, human lung cancer tissue, human ovary tumor tissue, human stomach cancer tissue, human tonsillitis tissue

IF/ICC: A431 cells,

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)

Notable Publications

Author	Pubmed ID	Journal	Application
Jie Liu	36238648	Oxid Med Cell Longev	WB
Xiaofang Zhu	36174712	Life Sci	WB
Yingjie Qing	34603598	Oxid Med Cell Longev	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1%BSA

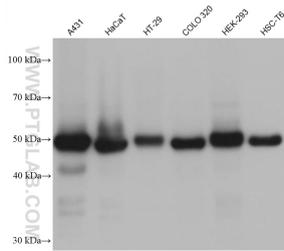
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

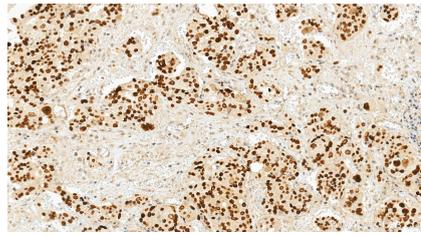
E: proteintech@ptglab.com
W: ptglab.com

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

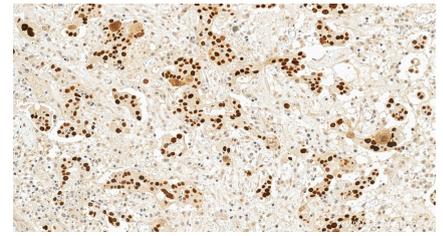
Selected Validation Data



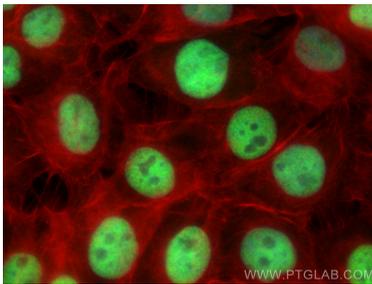
Various lysates were subjected to SDS PAGE followed by western blot with 60283-2-Ig (P53 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 60283-2-Ig (P53 antibody) at dilution of 1:4000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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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).