Monoclonal ANTIBODY

Catalog Number: 60283-2-Ig

Basic Information

Catalog Number: 60283-2-Ig

Size:
150 μg/150 μl

Source:
Mouse

Isotype:
IgG2b

Purification Method:
Protein A purification

Immunogen Catalog Number:
AG0698

GenBank Accession Number:
BC003596

GeneID (NCBI):
7157

Recommended Dilutions:

WB: 1:2000-1:10000

IHC: 1:1000-1:6400

Applications

Tested Applications:
IHC, WB, ELISA

Cited Applications:
IHC

Species Specificity:
Human, rat, mouse

Cited Species:
human

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

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

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
Feixue Xu

Pubmed ID
30469078

Journal
Biomed Pharmacother

Application
IHC

Storage

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

Storage Buffer:
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product, please contact:
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W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
A431 cells were subjected to SDS-PAGE followed by western blot with 60283-2-Ig (P53 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.

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 retrieved with Tris-EDTA buffer (pH 9).