

AM20653PU-N**Monoclonal Antibody to TP53 / p53 - Purified**

Alternate names:	Cellular tumor antigen p53, NY-CO-13, Phosphoprotein p53, Tumor suppressor p53
Quantity:	0.1 mg
Concentration:	0.1 mg/ml (after reconstitution with PBS)
Background:	The p53 tumor antigen is found in increased amounts in a wide variety of transformed cells. The protein is also detectable in many actively proliferating, nontransformed cells, but it is undetectable or present at low levels in resting cells. This protein induces cell cycle arrest or apoptosis in response to sublethal or severe DNA damage, respectively, by differential transcription of target genes and through transcription-independent apoptotic functions. The p53 protein contains 393 amino acids. Human p53 tumour antigen is Located to band 17p13. p53 mutations are common in pancreatic cancer and are absent in chronic pancreatitis.
Uniprot ID:	P04637
NCBI:	NP_000537
GeneID:	7157
Host / Isotype:	Mouse / IgG2a
Recommended Isotype Controls:	AM03096PU-N
Clone:	IMD-53
Immunogen:	Recombinant Human wild-type p53 protein.
Format:	State: Lyophilized purified Ig fraction Purification: Affinity Chromatography Buffer System: 1.2% Sodium Acetate with 2 mg BSA and 0.01 mg Sodium Azide as preservative Reconstitution: Restore with 1.2% Sodium Acetate or neutral PBS
Applications:	Western Blot: 0.5-1 µg/ml. Immunocytochemistry. Immunohistochemistry on Frozen Sections: Use at 0.5-2 µg/ml to detect p53 in formalin or acetone fixed tissues. Immunohistochemistry on Paraffin Sections: Use at 0.5-2 µg/ml to detect p53 in formalin fixed and paraffin embedded tissues. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody reacts to p53 (TP53). Species: Human. Other species not tested.

Storage:

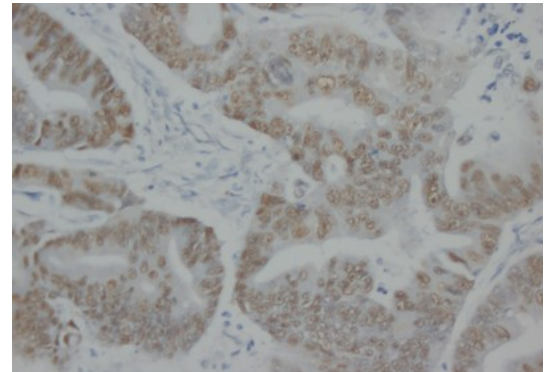
Prior to reconstitution store at -20°C.
Following reconstitution store undiluted at 2-8°C for one month
or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

General Readings:

1. Isobe M, Emanuel BS, Givol D, Oren M, Croce CM. Localization of gene for human p53 tumour antigen to band 17p13. *Nature*. 1986 Mar 6-12;320(6057):84-5. PubMed PMID: 3456488.
2. Casey G, Yamanaka Y, Friess H, Kobrin MS, Lopez ME, Buchler M, et al. p53 mutations are common in pancreatic cancer and are absent in chronic pancreatitis. *Cancer Lett*. 1993 May 14;69(3):151-60. PubMed PMID: 8513440.

Pictures:

Immunohistochemistry on Human
mammary cancer sections



Western Blot: HL-60 cell lysis

