

# Product Datasheet

## **p53 Antibody (TRP/817) - IHC-Prediluted NBP2-48410**

Unit Size: 7 ml

Store at 4C.

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**NBP2-48410**

p53 Antibody (TRP/817) - IHC-Prediluted

**Product Information**

<b>Unit Size</b>	7 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	TRP/817
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG2b Kappa
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	10 mM PBS with 0.05% BSA
<b>Target Molecular Weight</b>	53 kDa

**Product Description**

<b>Description</b>	The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining.
<b>Host</b>	Mouse
<b>Gene ID</b>	7157
<b>Gene Symbol</b>	TP53
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	Recognizes a 53kDa protein, which is identified as p53 suppressor gene product. It reacts with the mutant as well as the wild form of p53 protein. p53 is a tumor suppressor gene expressed in a wide variety of tissue types and is involved in regulating cell growth, replication, and apoptosis. It binds to MDM2, SV40 T antigen and human papilloma virus E6 protein. Positive nuclear staining with p53 antibody has been reported to be a negative prognostic factor in breast carcinoma, lung carcinoma, colorectal, and urothelial carcinoma. Anti-p53 positivity has also been used to differentiate uterine serous carcinoma from endometrioid carcinoma as well as to detect intratubular germ cell neoplasia. Mutations involving p53 are found in a wide variety of malignant tumors, including breast, ovarian, bladder, colon, lung, and melanoma.
<b>Immunogen</b>	Recombinant full-length human p53 protein (Uniprot: P04637)

**Product Application Details**

<b>Applications</b>	Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown Validated, Knockout Validated
<b>Recommended Dilutions</b>	Immunohistochemistry, Immunohistochemistry-Paraffin, Knockout Validated, Knockdown Validated
<b>Application Notes</b>	Hu-chromosome location: 17p13.1 Immunohistochemistry-Paraffin 0.25 - 0.5 ug/ml for 30 minutes at RT; Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10 - 20 min followed by cooling at RT for 20 minutes. The 7mL size is a pre-diluted size and no additional dilutions are required before using this item for the intended application.

## Images

Immunohistochemistry-Paraffin: p53 Antibody (TRP/817) - IHC-Prediluted [NBP2-48410] - Human Colon Carcinoma stained with p53 Monoclonal Antibody (TRP/817)





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## Products Related to NBP2-48410

HAF007

Goat anti-Mouse IgG Secondary Antibody [HRP]

NB720-B

Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]

NBP1-43317-0.5mg

Mouse IgG2b Kappa Light Chain Isotype Control (MG2b)

NBP3-21301PEP

p53 Recombinant Protein Antigen

## Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis.

Primary Antibodies are guaranteed for 1 year from date of receipt.

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