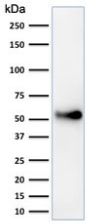
Anti-p53 Antibody [clone SPM589] (V9089)

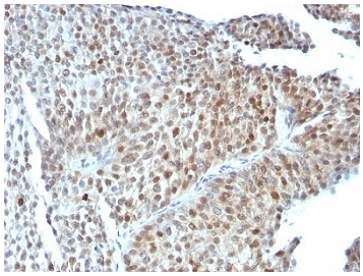
Catalog No.	Formulation	Size
V9089-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V9089-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V9089SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V9089IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	SPM589
Purity	Protein G affinity chromatography
UniProt	P04637
Localization	Nuclear
Applications	Western blot: 1-2ug/ml Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Limitations	This anti-p53 antibody is available for research use only.



Western blot testing of human HeLa cell lysate with anti-p53 antibody (clone SPM589). Expetected molecular weight ~53 kDa.



IHC: Formalin-fixed, paraffin-embedded human bladder carcinoma stained with anti-p53 antibody (clone SPM589).

Description

p53 is a tumor suppressor gene expressed in a wide variety of tissue types and is involved in regulating cell growth, replication, and apoptosis.

Researchers studying p53 expression and TP53 signaling can explore our Protein Microarray Validated p53 Antibody page for additional reagents targeting this key tumor suppressor in cancer, DNA damage response and cell cycle research.

Application Notes

The optimal dilution of the anti-p53 antibody for each application should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 minutes.
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Recombinant human wild type p53 protein was used as the immunogen for this anti-p53 antibody. Its epitope maps within the N-terminus (approx. amino acids 20-25).

Storage

Store the anti-p53 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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