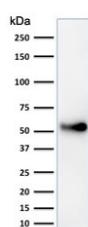


## Anti-p53 Antibody [clone SPM589] (V9089)

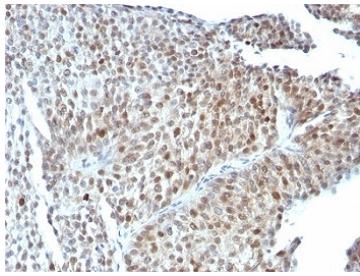
Catalog No.	Formulation	Size
V9089-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V9089-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V9089SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V9089IHC-7ML	Prediluted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

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



Western blot testing of human HeLa cell lysate with anti-p53 antibody (clone SPM589). Expected 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.

## 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).