

## p53 Antibody (N-Terminal Region) [clone DO-7] (V2284)

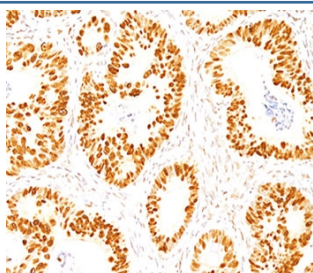
Catalog No.	Formulation	Size
V2284-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2284-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2284SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2284IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml



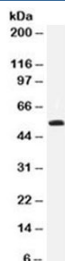
Citations (32)

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Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	DO-7
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
Gene ID	7157
Localization	Nuclear
Applications	Western Blot : 0.5-1.0ug/ml Immunohistochemistry (FFPE) : 0.5-1.0ug/ml for 30 min at RT (1) Prediluted IHC Only Format : incubate for 30 min at RT (2)
Limitations	This <b>p53 antibody</b> is available for research use only.



IHC staining of FFPE normal human colon with p53 antibody (clone DO-7).



Western blot testing of 293 cell lysate with p53 antibody (clone DO-7).

## Description

This antibody is specific for a 53kDa protein, which is identified as p53 suppressor gene product. The large number of prolines in its amino acid sequence causes p53 to migrate slowly in SDS-PAGE, resulting in the amino acid content-estimated 43 kDa protein appearing larger than expected. DO-7 reacts with the mutant as well as the wild form of p53 under denaturing and non-denaturing conditions. 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. p53 positivity has also been used to differentiate uterine serous carcinoma from endometrioid carcinoma as well as to detect intra-tubular germ cell neoplasia.

## Application Notes

### Immunogen

Recombinant human wild type p53 expressed in E. coli was used as the immunogen for this antibody. Its epitope maps within the N-terminus portion (aa 20-25) of the p53 oncoprotein.

### Storage

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

### Alternate Names

Antigen NY-CO-13, BCC7, LFS1, TP53, Transformation Related Protein 53 (TRP53), Tumor Suppressor p53 antibody

## References (2)