

A11232

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## p53 Rabbit pAb

Catalog No.: A11232

8 Publications

### Basic Information

#### Observed MW

**Calculated MW**  
43kDa

**Category**  
Polyclonal Antibody

**Applications**  
IHC-P, IF/ICC, ELISA

**Cross-Reactivity**  
Human, Mouse, Rat

### Background

This gene encodes tumor protein p53, which responds to diverse cellular stresses to regulate target genes that induce cell cycle arrest, apoptosis, senescence, DNA repair, or changes in metabolism. p53 protein is expressed at low level in normal cells and at a high level in a variety of transformed cell lines, where it's believed to contribute to transformation and malignancy. p53 is a DNA-binding protein containing transcription activation, DNA-binding, and oligomerization domains. It is postulated to bind to a p53-binding site and activate expression of downstream genes that inhibit growth and/or invasion, and thus function as a tumor suppressor. Mice deficient for this gene are developmentally normal but are susceptible to spontaneous tumors. Evidence to date shows that this gene contains one promoter, in contrast to alternative promoters of the human gene, and transcribes a few of splice variants which encode different isoforms, although the biological validity or the full-length nature of some variants has not been determined.

### Recommended Dilutions

IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200

### Immunogen Information

<b>Gene ID</b>	<b>Swiss Prot</b>
22059	P02340

#### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 95-390 of mouse p53 (NP\_035770.2).

#### Synonyms

bbl; bfy; bhy; p44; p53; Tp53

### Contact



[www.abclonal.com](http://www.abclonal.com)

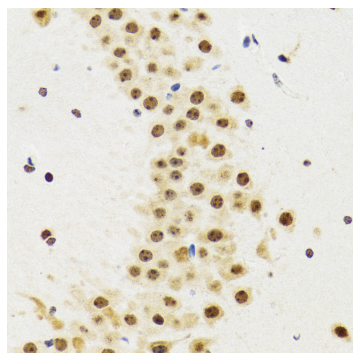
### Product Information

<b>Source</b>	<b>Isotype</b>	<b>Purification</b>
Rabbit	IgG	Affinity purification

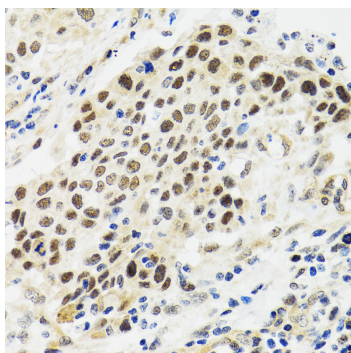
#### Storage

Store at -20°C. Avoid freeze / thaw cycles.  
Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

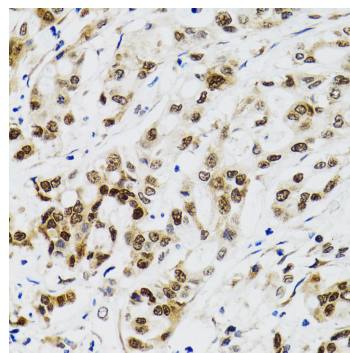
## Validation Data



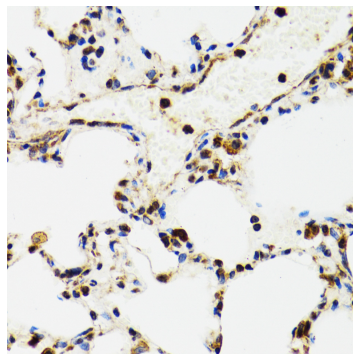
Immunohistochemistry analysis of paraffin-embedded Rat brain using p53 antibody (A11232) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



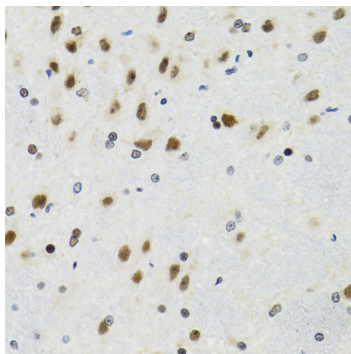
Immunohistochemistry analysis of paraffin-embedded Human lung cancer using p53 antibody (A11232) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



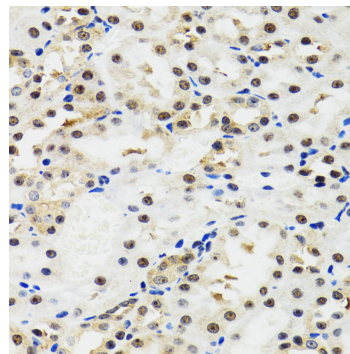
Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma using p53 antibody (A11232) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded Mouse lung using p53 antibody (A11232) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded Mouse brain using p53 antibody (A11232) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded Mouse kidney using p53 antibody (A11232) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.