

## Datasheet: AHP2666

**BATCH NUMBER 152100**

<b>Description:</b>	RABBIT ANTI p53 (pSer6)
<b>Specificity:</b>	p53 (pSer6)
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	50 µl

### Product Details

#### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/500 - 1/1000

**The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range.** Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Antiserum Preparation</b>	Antiserum to p53 (pSer6) was raised by repeated immunization of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.02% Sodium Azide 50% Glycerol
<b>Immunogen</b>	Phospho specific-peptide corresponding to residues surrounding serine 6 of human p53

#### External Database Links

**UniProt:**  
[P04637](#)     [Related reagents](#)

**Entrez Gene:**

[7157](#) TP53 [Related reagents](#)

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<b>Synonyms</b>	P53
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<b>Specificity</b>	<p><b>Rabbit anti p53 (pSer6) antibody</b> recognizes the p53 tumor suppressor protein, also known as cellular tumor antigen p53 or NY-CO-13, when phosphorylated at serine 6. The p53 protein is important in multicellular organisms, where it regulates cell cycle progression to allow DNA repair or apoptosis in the case of irreparably damaged cells and thus functions as a tumor suppressor, involved in preventing cancer (<a href="#">Haupt et al. 2003</a>). Mutations in the p53 gene are found in approximately half the cases of human cancer (<a href="#">Joerger and Fersht 2007</a>).</p> <p>p53 is phosphorylated at serine 6 in response to DNA damage (<a href="#">Higashimoto et al. 2000</a>).</p>
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<b>Further Reading</b>	<ol style="list-style-type: none"><li>1. Haupt, S. <i>et al.</i> (2003) Apoptosis - the p53 network. <a href="#">J Cell Sci. 116 (Pt 20): 4077-85.</a></li><li>2. Joerger, A.C. &amp; Fersht, A.R. (2007) Structure-function-rescue: the diverse nature of common p53 cancer mutants. <a href="#">Oncogene. 26 (15): 2226-42.</a></li><li>3. Higashimoto, Y. <i>et al.</i> (2000) Human p53 is phosphorylated on serines 6 and 9 in response to DNA damage-inducing agents. <a href="#">J Biol Chem. 275 (30): 23199-203.</a></li></ol>
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<b>Storage</b>	<p>Store at -20°C</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
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<b>Guarantee</b>	12 months from date of despatch
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<b>Acknowledgements</b>	PrecisionAb is a trademark of Bio-Rad Laboratories
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10049 available at: 10049: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10049.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10049.pdf</a>
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Secondary Antibodies

- Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
- Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
- Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
- Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

### Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

**North & South** Tel: +1 800 265 7376

**Worldwide** Tel: +44 (0)1865 852 700

**Europe** Tel: +49 (0) 89 8090 95 21

**America** Fax: +1 919 878 3751

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batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

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