

Datasheet: AHP906

Description:	RABBIT ANTI p53 (pSer392)
Specificity:	p53 (pSer392)
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 ml

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.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			■	
Immunohistology - Frozen			■	
Immunohistology - Paraffin			■	
ELISA			■	
Immunoprecipitation			■	
Western Blotting (1)	■			1/1000

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

(1) For the detection of phosphoproteins, serine phosphatase inhibitors such as 10mM Sodium Fluoride should be added to the sample buffer. Milk or other casein-based blocking solutions are not recommended as casein is a phosphoprotein and its use can result in high background.

Target Species	Human
Species Cross Reactivity	Reacts with: Rat Based on sequence similarity, is expected to react with:Monkey N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Antiserum Preparation	Antisera to human phosphorylated p53 were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.
Buffer Solution	10mM HEPES pH7.5
Preservative Stabilisers	0.09% Sodium Azide 0.01% Bovine Serum Albumin 50% Glycerol

Immunogen Synthetic phosphopeptide corresponding to an amino acid sequence within p53 which includes the phosphorylated residue serine 392.

External Database

Links

UniProt:

[P04637](#) [Related reagents](#)

Entrez Gene:

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

Synonyms

P53

Specificity

Rabbit anti p53 (pSer392) antibody recognizes cellular tumor antigen p53, also known as antigen NY-CO-13, phosphoprotein p53 and tumor suppressor p53, when phosphorylated at serine 392.

The tumor suppressor protein p53, is expressed ubiquitously and plays an important role in blocking proliferation of damaged cells.

Phosphorylation of p53 at serine 392 is reported in response to diverse stresses, for example UV irradiation.

Western Blotting

AHP906 recognises a band of approximately 53kD in rat brain nuclear fraction lysates.

References

1. Jaiswal, J. *et al.* (2001) p53-dependent transcriptional regulation of the APC promoter in colon cancer cells treated with DNA alkylating agents. [J. Biol. Chem. 276: 18193-18199.](#)

Storage

Store at +4°C or at -20°C if preferred.

Storage in frost-free freezers is not recommended.

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.

Shelf Life

12 months from date of despatch.

Health And Safety Information

Material Safety Datasheet documentation #10088 available at:
10088: <https://www.bio-rad-antibodies.com/uploads/MSDS/10088.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (2AB02...) [Biotin](#)

Sheep Anti Rabbit IgG (STAR36...) [DyLight@488](#), [DyLight@549](#), [DyLight@649](#),
[DyLight@680](#), [DyLight@800](#)

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Printed on 30 Apr 2018

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