

Datasheet: AHP2697

**BATCH NUMBER 147420**

<b>Description:</b>	RABBIT ANTI NFkB p65 (pSer276)
<b>Specificity:</b>	NFkB p65 (pSer276)
<b>Other names:</b>	RELA
<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
Immunohistology - Paraffin	▪			1/50 - 1/100
Western Blotting	▪			1/500 - 1/2000

Where this product 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 product for use in their own system using appropriate negative/positive controls.

### Target Species

Human

### Species Cross Reactivity

Reacts with: Rat

Based on sequence similarity, is expected to react with: Mouse

**N.B.** Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

### Product Form

Purified IgG - liquid

### Antiserum Preparation

Antiserum to NFkB p65 (pSer276) was raised by repeated immunization of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

### Buffer Solution

Phosphate buffered saline

<b>Preservative</b>	0.02% Sodium Azide
<b>Stabilisers</b>	50% Glycerol
<b>Immunogen</b>	Phospho specific-peptide corresponding to residues surrounding serine 276 of human NFkB p65
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q04206</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">5970</a>    RELA    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	NFKB3
<b>Specificity</b>	<p><b>Rabbit anti NFkB p65 (pSer276) antibody</b> recognizes nuclear factor NF-kappa-B p65 subunit (NFkB3 p65) also known as transcription factor p65 or RELA, when phosphorylated at serine 276. NFkB p65 is part of the NFkB transcription factor complex that also includes RELB, NFkB1 p105, NFkB1 p50, REL and NFkB2 p52. NFkB p65 regulates expression of a wide variety of genes involved in immune and inflammatory responses (<a href="#">May, M.J. &amp; Ghosh, S. 1997</a>). Protein kinase A (PKA) phosphorylates NFkB p65 on serine 276 and modulates transcriptional activity of NFkB by mediating its interaction with CBP/p300 (<a href="#">Zhong, H. et al. 1998</a>). Serine 276 has also been demonstrated to be phosphorylated by mitogen- and stress- activated protein kinase-1 (MSK1) (<a href="#">Vermeulen, L. et al. 2003</a>). The NFkB pathway plays a critical role in orchestrating immune responses after infection and has been implicated in a variety of diseases ranging from autoimmune disorders to cancer.</p>
<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>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	<p>Material Safety Datasheet documentation #10049 available at:  <a href="https://www.bio-rad-antibodies.com/SDS/AHP2697">https://www.bio-rad-antibodies.com/SDS/AHP2697</a>  10049</p>
<b>Regulatory</b>	For research purposes only

## Related Products

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

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