

## Datasheet: AHP288

**BATCH NUMBER 163304**

<b>Description:</b>	RABBIT ANTI NFkB p65
<b>Specificity:</b>	NFkB p65
<b>Format:</b>	Serum
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			1/5000 - 1/25000
Immunoprecipitation	▪			
Western Blotting	▪			1/2000 - 1/5000
Immunofluorescence	▪			
Gel Super Shift Assays	▪			0.5 - 1.0 ul per test

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.

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	<p>Reacts with: Mouse, Rat</p> <p><b>N.B.</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.</p>
<b>Product Form</b>	Serum - liquid

**Antiserum Preparation** Antisera to NFkB p65 were raised by repeated immunisation of rabbits with highly purified antigen.

<b>Preservative Stabilisers</b>	0.01% Sodium Azide
<b>Immunogen</b>	NFkB p65 peptide corresponding to the C-terminus region of the human protein conjugated to KLH.
<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>RRID</b>	AB_322343
<b>Specificity</b>	<p><b>Rabbit anti Human NFkB p65 antibody</b> recognizes the human Transcription factor p65, also known as Nuclear factor NF-kappa-B p65 subunit, NFkB p65, RelA or Nuclear factor of kappa light polypeptide gene enhancer in B-cells 3. NFkB p65 is a 551 amino acid ~65 kDa subunit of the NFkB transcription factor present in most cell types and is involved as the endpoint in an array of signal transduction events related to many processes including apoptosis, immunity, inflammation and tumorigenesis. The most abundant form of NFkB appears to be the p65-p50 heterodimer. In the active form NFkB p65 is found in the nucleus co-localizing with the ATP-dependent RNA helicase DDX1. NFkB p65 is also found in an inactive form in the cytoplasm associated with the inhibitor IkB (<a href="#">UniProt: Q04206</a>)</p> <p>In a gel supershift assay Rabbit anti Human NFkB p65 antibody was found to be active against all p65 containing human, mouse or rat NFkB complexes using 0.5ul to 1.0ul per assay. The binding of Rabbit anti Human NFkB p65 antibody to the NFkB p65 subunit can be blocked using the NFkB p65 control peptide (<a href="#">PHP073</a>).</p>
<b>References</b>	<ol style="list-style-type: none"> <li>1. Cruz, M.T. <i>et al.</i> (1999) Involvement of JAK2 and MAPK on type II nitric oxide synthase expression in skin-derived dendritic cells. <a href="#">Am J Physiol. 277: C1050-7.</a></li> <li>2. Parmentier, M, <i>et al.</i> (2000) Regulation of lipopolysaccharide-mediated interleukin-1beta release by N-acetylcysteine in THP-1 cells. <a href="#">Eur. Respir. J. 16: 933-9.</a></li> <li>3. Gründker, C. <i>et al.</i> (2000) Luteinizing hormone-releasing hormone induces nuclear factor kappaB-activation and inhibits apoptosis in ovarian cancer cells. <a href="#">J Clin Endocrinol Metab. 85: 3815-20.</a></li> <li>4. Sun, J. <i>et al.</i> (2007) Neuropeptide substance P upregulates chemokine and chemokine receptor expression in primary mouse neutrophils. <a href="#">Am J Physiol Cell Physiol. 293: C696-704.</a></li> <li>5. Wang, J. <i>et al.</i> (2014) TL1-A can engage death receptor-3 and activate NF-kappa B in endothelial cells. <a href="#">BMC Nephrol. 15: 178.</a></li> <li>6. Abdel-Latif, M. (2015) Diethylcarbamazine citrate ameliorates insulin resistance in high-fat diet-induced obese mice via modulation of adipose tissue inflammation. <a href="#">Int Immunopharmacol. 29 (2): 607-12.</a></li> </ol>

7. Takada, Y. *et al.* (2009) Odoroside A and ouabain inhibit Na<sup>+</sup>/K<sup>+</sup>-ATPase and prevent NF-kappaB-inducible protein expression by blocking Na<sup>+</sup>-dependent amino acid transport. [Biochem Pharmacol. 78 \(9\): 1157-66.](#)
8. Zhang, H. *et al.* (2007) Hydrogen sulfide acts as an inflammatory mediator in cecal ligation and puncture-induced sepsis in mice by upregulating the production of cytokines and chemokines via NF-kappaB. [Am J Physiol Lung Cell Mol Physiol. 292 \(4\): L960-71.](#)

<b>Storage</b>	This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.  Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10081 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP288">https://www.bio-rad-antibodies.com/SDS/AHP288</a> 10081
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

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

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

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

### Recommended Useful Reagents

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

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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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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Printed on 15 Mar 2024