

Datasheet: AHP1342

Description:	RABBIT ANTI NFkB p65 (pSer536)
Specificity:	NFkB p65 (pSer536)
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	50 µg

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	▪			1/50 - 1/250
ELISA	▪			1/500 - 1/3000
Immunoprecipitation			▪	
Western Blotting	▪			1/100 - 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.

Target Species	Human
Species Cross Reactivity	Based on sequence similarity, is expected to react with:Rat, Mouse N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Antiserum Preparation	Antisera to NFkB p65 (pSer536) were raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 0.5mg/ml
Immunogen	Synthetic peptide corresponding to residues surrounding phosphoserine 536 of human NFkB p65 protein.

**External Database
Links**

UniProt:

[Q04206](#) [Related reagents](#)

Entrez Gene:

[5970](#) RELA [Related reagents](#)

Synonyms

NFKB3

RRID

AB_906096

Specificity

Rabbit anti NFκB p65 (pSer536) antibody recognizes nuclear factor NF-kappa-B p65 subunit (NFκB p65), also known as nuclear factor of kappa light polypeptide gene enhancer in B-cells 3 and transcription factor p65, when phosphorylated at serine 536. NFκB is a heterodimeric DNA binding protein which was originally identified consisting of p65 and p50 (NFκB1) subunits. Other subunits, including p52 (NFκB2), cRel, and RelB exist.

NFκB is ubiquitously expressed, and functions as a second messenger which upon activation leads to the transcription of a number of genes. NFκB is activated by a number of agents, including pro-inflammatory cytokines and bacterial lipopolysaccharide, and is essential for the maturation of T cells and regulation of their survival and activation.

Phosphorylation of serine 536 contributes to NFκB transactivation and increases p65 transcription activity.

**Histology Positive
Control Tissue**

Human kidney distal tubules and collecting ducts.

Western Blotting

AHP1342 detects a band of approximately 65kDa in the appropriate cell lysate.

References

1. Douglas, P.D.*et al.* (2019) Temporal characteristics of NF-κB inhibition in blocking bile-induced oncogenic molecular events in hypopharyngeal cells. [Oncotarget. 10 \(36\): 3339-51.](#)

Further Reading

1. Mattioli, I. *et al.* (2004) Transient and selective NF-kappa B p65 serine 536 phosphorylation induced by T cell costimulation is mediated by I kappa B kinase beta and controls the kinetics of p65 nuclear import. [J Immunol. 172 \(10\): 6336-44.](#)

Storage

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

This product should be stored undiluted.

Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

12 months from date of despatch

**Health And Safety
Information**

Material Safety Datasheet documentation #10040 available at:
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

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

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

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

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

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

Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

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