

Datasheet: AHP1342

BATCH NUMBER 180604

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. 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

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	<p>UniProt: Q04206 Related reagents</p> <p>Entrez Gene: 5970 RELA Related reagents</p>
Synonyms	NFKB3
RRID	AB_906096
Specificity	<p>Rabbit anti NFkB p65 (pSer536) antibody recognizes nuclear factor NF-kappa-B p65 subunit (NFkB 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. NFkB is a heterodimeric DNA binding protein which was originally identified consisting of p65 and p50 (NFkB1) subunits. Other subunits, including p52 (NFkB2), cRel, and RelB exist.</p> <p>NFkB is ubiquitously expressed, and functions as a second messenger which upon activation leads to the transcription of a number of genes. NFkB 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.</p> <p>Phosphorylation of serine 536 contributes to NFkB transactivation and increases p65 transcription activity.</p>
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	<p>1. Douglas, P.D.<i>et al.</i> (2019) Temporal characteristics of NF-κB inhibition in blocking bile-induced oncogenic molecular events in hypopharyngeal cells. Oncotarget. 10 (36): 3339-51.</p> <p>2. Doukas, S.G. <i>et al.</i> (2020) The in vivo preventive and therapeutic properties of curcumin in bile reflux-related oncogenesis of the hypopharynx. J Cell Mol Med. 24 (18): 10311-10321.</p>

Further Reading	1. Mattioli, I. <i>et al.</i> (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: https://www.bio-rad-antibodies.com/SDS/AHP1342 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

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

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