

Datasheet: VPA00015

BATCH NUMBER 167072

Description:	SHEEP ANTI NFkB p65
Specificity:	NFkB p65
Format:	Purified
Product Type:	PrecisionAb Polyclonal
Isotype:	Polyclonal IgG
Quantity:	100 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.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			
Immunoprecipitation	▪			
Western Blotting	▪			1/1000
Gel Super Shift Assays	▪			

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

Target Species

Human

Species Cross Reactivity

Reacts with: Mouse, Rat

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

Preparation

Sheep polyclonal antibody purified by affinity chromatography.

Buffer Solution	Phosphate buffered saline.
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 0.25% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml.
Immunogen	Human NFκB p65, amino acids 12-317, expressed in <i>E. coli</i>
External Database Links	<p>UniProt: Q04206 Related reagents</p> <p>Entrez Gene: 5970 RELA Related reagents</p>
Synonyms	NFKB3
Specificity	<p>Sheep anti Human NFκB p65 antibody recognizes human full length human p65 (NFκB), also known as transcription factor p65 or nuclear factor of kappa light polypeptide gene enhancer in B-cells 3. Human NFκB p65 is a 551 amino acid pleiotropic transcription factor containing a single RHD domain. Sheep anti Human NFκB p65 antibody will also detect proteolytic fragments of NFκB p65 containing the DNA binding RHD domain located in the amino-terminal region. Multiple isoforms of NFκB p65 are generated by alternative splicing. Sheep anti Human NFκB p65 antibody binds to isoforms 1 and 2 containing the intact RHD domain, but it is unclear whether it will bind to isoforms 3 and 4 which have partial differing deletions within the RHD domain.</p> <p>Sheep anti Human NFκB p65 antibody recognizes human NFκB p65 as a single band of ~65 kDa in HEK293 cell line lysates by western blotting under reducing conditions. It also cross reacts with rodent cell line lysates tested.</p>
Western Blotting	Anti NFκB p65 antibody detects a band of approximately 65 kDa in HEK293 cell lysates.
References	<ol style="list-style-type: none"> Serban, A.I. <i>et al.</i> (2015) AGEs-Induced IL-6 Synthesis Precedes RAGE Up-Regulation in HEK 293 Cells: An Alternative Inflammatory Mechanism? Int J Mol Sci. 16 (9): 20100-17. Serban, A.I. <i>et al.</i> (2016) RAGE and TGF-β1 Cross-Talk Regulate Extracellular Matrix Turnover and Cytokine Synthesis in AGEs Exposed Fibroblast Cells. PLoS One. 11 (3): e0152376.
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
Guarantee	12 months from date of despatch.
Acknowledgements	PrecisionAb is a trademark of Bio-Rad Laboratories.
Health And Safety	Material Safety Datasheet documentation #10041 available at:

Information <https://www.bio-rad-antibodies.com/SDS/VPA00015>
Antibody (10041)

Regulatory For research purposes only.

Related Products

Recommended Secondary Antibodies

Rabbit Anti Sheep IgG (H/L) (5184-2504...) [HRP](#)

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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)

'M421438:230706'

Printed on 01 Mar 2024

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