

Datasheet: VPA00015KT

Description:	NFκB p65 ANTIBODY WITH CONTROL LYSATE
Specificity:	NFκB p65
Format:	Purified
Product Type:	PrecisionAb™ Polyclonal
Isotype:	Polyclonal IgG
Quantity:	2 Westerns

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
Western Blotting	▪			1/1000

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. 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 dependant on sample type.

Target Species	Human
Species Cross Reactivity	Reacts with: Mouse, Rat N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Preparation	20µl Sheep polyclonal antibody purified by affinity chromatography
Buffer Solution	Phosphate buffered saline
Preservative	0.09% Sodium Azide (NaN ₃)
Stabilisers	0.25% Bovine Serum Albumin
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 (NF-κB), 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.
Instructions For Use	Please refer to the PrecisionAb western blotting protocol . For additional information on secondary antibody dilution and exposure time see product web page.
Lysate Composition	400µg HEK293 lysate lyophilized in RIPA buffer.
Lysate Reconstitution	<p>- If using DDT reconstitute the lyophilized lysate with 190µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT.</p> <p>- If using BME reconstitute the lyophilized lysate with 180µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 20µl BME.</p> <p>Heat at 95°C for 5 minutes. For 10 well mini gels load 25µl. For other gel and comb formats please refer to the PrecisionAb western blotting protocol.</p>
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	<p>Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles.</p> <p>Lysate: Store lyophilized lysate at -20°C. After reconstitution aliquot and store at -20°C for up to 3 months or at -80°C for longer term storage.</p>
Shelf Life	As supplied, 12 months from date of despatch.
Acknowledgements	PrecisionAb™ is a trademark of Bio-Rad Laboratories.
Health And Safety Information	<p>Material Safety Datasheet documentation #10041 #10561 available at:</p> <p>Antibody (10041): https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf</p> <p>Lysate Material (10561): https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf</p>
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

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