

NF κ B p65 polyclonal antibody

Nuclear factor kappa-B (NF κ B) functions as a sequence specific transcriptional activator that binds to the intronic enhancer of kappa light chain gene in B lymphocytes. NF- κ B is a heterodimer consisting of a 50 kDa DNA binding subunit (p50) and a 65 kDa transactivation subunit (p65/RelA) (ref. 3), both of which exhibit sequence homology to the protooncogene c-Rel. p50 has an isoform called p49/p52, and both proteins derive from the amino-terminal of precursor protein p105 and p100, respectively. The p50/p65 heterodimer remains in inactive form in the cytosol as a complex with its inhibitor, I κ B. Upon stimulation of cells by a variety of stimuli, including lipopolysaccharide (LPS), pro-inflammatory cytokines like interleukin-1 and tumor necrosis factor, and viral infection, I κ B becomes phosphorylated and degraded by the proteosome. The active NF- κ B heterodimer translocates into the nucleus and induces gene expression.

This antibody is covered by our [Worry-Free Guarantee](#).

Citations: 6

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Ordering Information

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ADI-KAS-TF110-D	50 μ g
ADI-KAS-TF110-F	200 μ g

Manuals, SDS & CofA

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Handling & Storage

Handling Avoid freeze/thaw cycles.

Long Term Storage -20°C

Shipping Blue Ice

Regulatory Status RUO - Research Use Only

Product Details

Alternative Name RELA

Application WB

Application Notes Detects a band of ~65kDa by Western blot.

Formulation Liquid. In PBS, pH 7.2, containing 0.09% sodium azide.

GenBank ID M62399

Host Rabbit

Immunogen Synthetic peptide corresponding to a portion of human p65 NF-κB. The sequence is completely conserved in mouse NF-κB p65.

Purity Detail Protein A affinity purified.

Recommendation Dilutions/Conditions Western Blot (1:1,000, colorimetric)Suggested dilutions/conditions may not be available for all applications.Optimal conditions must be determined individually for each application.

Source Purified from rabbit serum.

Species Reactivity Bovine, Dog, Guinea pig, Human, Monkey, Mouse, Porcine, Rabbit, Rat

UniProt ID Q04206

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ENZO LIFE SCIENCES,
INC.
Phone: 800.942.0430
[info-
usa@enzolifesciences.com](mailto:info-usa@enzolifesciences.com)

European Sales Office
ENZO LIFE SCIENCES
(ELS) AG
Phone: +41 61 926 8989
[info-
eu@enzolifesciences.com](mailto:info-eu@enzolifesciences.com)

Belgium, The Netherlands
& Luxembourg
Phone: +32 3 466 0420
[info-
be@enzolifesciences.com](mailto:info-be@enzolifesciences.com)

France
Phone: +33 472 440 655
[info-
fr@enzolifesciences.com](mailto:info-fr@enzolifesciences.com)

Germany
Phone: +49 7621 5500 526
[info-
de@enzolifesciences.com](mailto:info-de@enzolifesciences.com)

UK & Ireland
Phone (UK customers):
0845 601 1488
Phone: +44 1392 825900
[info-
uk@enzolifesciences.com](mailto:info-uk@enzolifesciences.com)