

Product Name: KD-Validated NF- κ B p65 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA00756

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC,IHC-P
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:2,000-1:10,000; FC 1:200-1:2,000; ICC 1:100-1:1,000; IHC-P 1:100-1:200
Molecular Weight	Calculated MW: 60.2kDa

Antigen Information

Gene Name	RELA
Alternative Names	RELA; RELA Proto-Oncogene, NF-KB Subunit; Nuclear Factor Of Kappa Light Polypeptide Gene Enhancer In B-Cells; NFKB3; P65; V-Rel Avian Reticuloendotheliosis Viral Oncogene Homolog A; Nuclear Factor NF-Kappa-B P65 Subunit; Transcription Factor P65; NF-Kappa-B Transcription Factor P65; NF-Kappa-B; P65delta3; AIF3BL3; CMCU
Gene ID	5970.0
SwissProt ID	Q04206
Immunogen	A synthesized peptide derived from human NF- κ B p65

Background

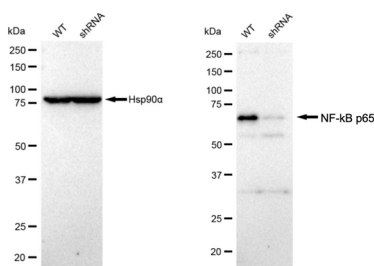
NF-kappa-B is a ubiquitous transcription factor involved in several biological processes. It is held in the cytoplasm in an inactive

state by specific inhibitors. Upon degradation of the inhibitor, NF-kappa-B moves to the nucleus and activates transcription of specific genes. NF-kappa-B is composed of NFKB1 or NFKB2 bound to either REL, RELA, or RELB. The most abundant form of NF-kappa-B is NFKB1 complexed with the product of this gene, RELA. Four transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]

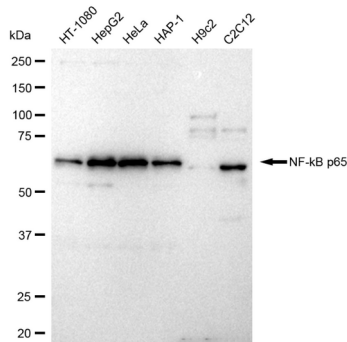
Research Area

Signal Transduction, Epigenetics and Nuclear Signaling, Cancer, Metabolism, Neuroscience, Cardiovascular

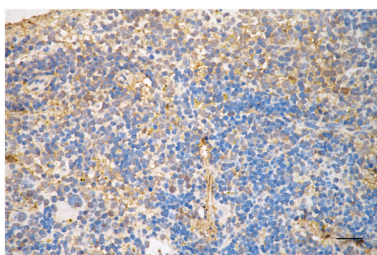
Image Data



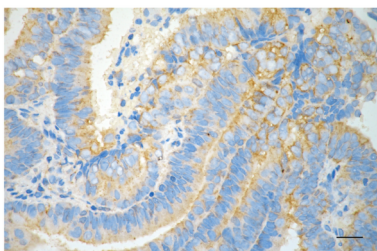
Western blotting analysis using NF-kB p65 antibody (KVA00756). NF-kB p65 expression in wild type (WT) and NF-kB p65 shRNA knockdown (KD) HT-1080 cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with NF-kB p65 antibody (KVA00756, 1:10,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



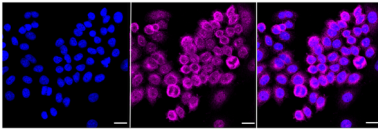
Western blotting analysis using NF-kB p65 antibody (KVA00756). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with NF-kB p65 antibody (KVA00756, 1:10,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



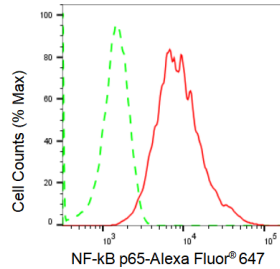
Immunohistochemistry was performed on paraffin-embedded mouse spleen using NF-kB p65 antibody (KVA00756, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 µm.



Immunohistochemistry was performed on paraffin-embedded human endometrial carcinoma using NF-kB p65 antibody (KVA00756, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 µm.



Immunocytochemical staining of HepG2 cells with NF-kB p65 antibody (KVA00756, 1:1,000). Nuclei were stained blue with DAPI; NF-kB p65 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar: 20 µm.



Flow cytometric analysis of NF-kB p65 expression in HepG2 cells using NF-kB p65 antibody (KVA00756, 1:2,000). Green, isotype control; red, NF-kB p65.