



# Rabbit anti-Human RELA Polyclonal antibody (CPBT-55981RH)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Rabbit Polyclonal antibody to Human RELA.
<b>Antigen Description</b>	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.
<b>Immunogen</b>	Synthetic peptide conjugated to KLH derived from within residues 500 to the C-terminus of Human NFkB p65.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Immunogen affinity purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IHC-FoFr, ICC/IF, IHC-P, WB, IP
<b>Sequence Similarities</b>	Contains 1 RHD (Rel-like) domain.
<b>Cellular Localization</b>	Nucleus. Cytoplasm. Nuclear, but also found in the cytoplasm in an inactive form complexed to an inhibitor (I-kappa-B). Colocalized with RELA in the nucleus upon TNF-alpha induction.
<b>Post translation Modifications</b>	Ubiquitinated, leading to its proteasomal degradation. Degradation is required for termination of NF-kappa-B response. Monomethylated at Lys-310 by SETD6. Monomethylation at Lys-310 is recognized by the ANK repeats of EHMT1 and promotes the formation of re
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	Preservative: 0.02% Sodium Azide Constituents: 1% BSA, PBS, pH 7.4
<b>Storage</b>	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">RELA v-rel reticuloendotheliosis viral oncogene homolog A (avian) [ Homo sapiens ]</a>
<b>Official Symbol</b>	RELA
<b>Synonyms</b>	RELA; v-rel reticuloendotheliosis viral oncogene homolog A (avian); NFKB3,nuclear factor of kappa light polypeptide gene enhancer in B cells 3; transcription factor p65; p65; Avian reticuloendotheliosis viral (v rel) oncogene homolog A; MGC131774; NFKB 3; NFKB3; Nuclear Factor NF Kappa B p65 Subunit; Nuclear factor NF-kappa-B p65 subunit; Nuclear factor of kappa light polypeptide gene enhancer in B cells 3; Nuclear Factor Of Kappa Light Polypeptide Gene Enhancer In B Cells; Nuclear factor of kappa light polypeptide gene enhancer in B-cells 3; OTTHUMP00000233473; OTTHUMP00000233474; OTTHUMP00000233475; OTTHUMP00000233476; OTTHUMP00000233900; p65; p65 NF kappaB; p65 NFkB; RELA; TF65_HUMAN; Transcription Factor p65; v rel avian reticuloendotheliosis viral oncogene homolog A (nuclear factor of kappa light polypeptide gene enhancer in B cells 3 (p65)); V Rel Avian Reticuloendotheliosis Viral Oncogene Homolog A; v rel reticuloendotheliosis viral oncogene homolog A (avian); V rel reticuloendotheliosis viral oncogene homolog A, nuclear factor of kappa light polypeptide gene enhancer in B cells 3, p65; v-rel reticuloendotheliosis viral oncogene homolog A; OTTHUMP00000233473; OTTHUMP00000233474; OTTHUMP00000233475; OTTHUMP00000233476; OTTHUMP00000233900; NF-kappa-B p65delta3; nuclear factor NF-kappa-B p65 subunit; nuclear factor of kappa light polypeptide gene enhancer in B-cells 3; NFKB3;
<b>Entrez Gene ID</b>	<a href="#">5970</a>
<b>Protein Refseq</b>	<a href="#">NP_001138610</a>
<b>UniProt ID</b>	<a href="#">Q04206</a>
<b>Chromosome Location</b>	11q13
<b>Pathway</b>	Activated TLR4 signalling, organism-specific biosystem; Acute myeloid leukemia, organism-specific biosystem; Acute myeloid leukemia, conserved biosystem; Adaptive Immune System, organism-specific biosystem; Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem; Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem; Angiopoietin receptor Tie2-mediated s
<b>Function</b>	DNA binding; NF-kappaB binding; activating transcription factor binding; ankyrin repeat binding; chromatin binding; identical protein binding; identical protein binding; phosphate ion binding; protein N-terminus binding; protein binding; protein kinase binding; repressing transcription factor binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; sequence-specific DNA binding transcription factor activity; sequence-specific distal enhancer binding RNA polymerase II transcription factor activity; transcription factor binding; transcription regulatory region DNA binding; ubiquitin protein ligase binding;