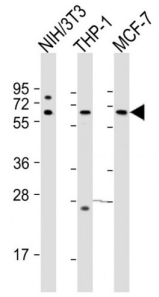
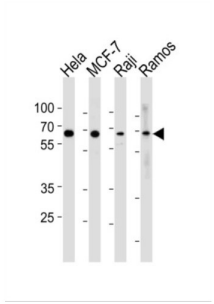
Transcription Factor p65 / NFKB3 (RELA) Antibody

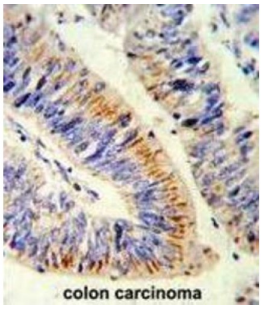
Catalogue No.:abx033005



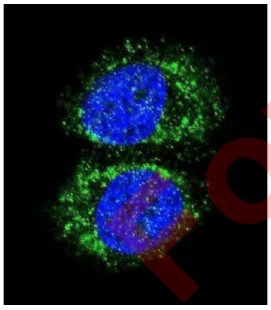
WB analysis of (1) NIH/3T3, (2) THP-1 and (3) MCF-7 whole cell lysates (20 µg/lane). Predicted band size : 60 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.



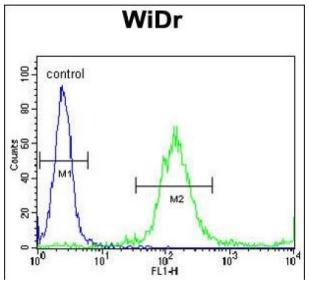
WB analysis of (1) HeLa, (2) MCF-7, (3) Raji, and (3) Ramos cell lysates (35 µg/lane).



IHC-P analysis of human colon carcinoma, with DAB staining.



IF analysis of MCF-7 cells, using RELA antibody and AF488-conjugated goat anti-rabbit IgG. DAPI was used to stain the cell nucleus (blue).



Flow cytometry analysis of WiDr cells (green) compared with a negative control cell (blue), using RELA antibody and FITC-conjugated goat anti-rabbit IgG.

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NFKB1 (MIM 164011) or NFKB2 (MIM 164012) is bound to REL (MIM 164910), RELA, or RELB (MIM 604758) to form the NFKB complex. The p50 (NFKB1) /p65 (RELA) heterodimer is the most abundant form of NFKB. The NFKB complex is inhibited by I-kappa-B proteins (NFKBIA, MIM 164008 or NFKBIB, MIM 604495), which inactivate NFKB by trapping it in the cytoplasm. Phosphorylation of serine residues on the I-kappa-B proteins by kinases (IKBKA, MIM 600664, or IKBKB, MIM 603258) marks them for destruction via the ubiquitination pathway, thereby allowing activation of the NFKB complex. Activated NFKB complex translocates into the nucleus and binds DNA at kappa-B-binding motifs such as 5-prime GGGRNNYYCC 3-prime or 5-prime HGGARNYYCC 3-prime (where H is A, C, or T; R is an A or G purine; and Y is a C or T pyrimidine).

Target:	Transcription Factor p65 / NFKB3 (RELA)
Clonality:	Polyclonal
Reactivity:	Human, Mouse
Tested Applications:	ELISA, WB, IHC, IF/ICC, FCM
Host:	Rabbit
Recommended dilutions:	WB: 1/1000, IHC-P: 1/50 - 1/100, IF/ICC: 1/10 - 1/50, FCM: 1/10 - 1/50. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	KLH-conjugated synthetic peptide between 10-37 amino acids from the N-terminal region of human RELA.
Isotype:	IgG
Form:	Liquid
Purification:	Purified by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	Q04206 (UniProt, ExPASy)
Gene Symbol:	RELA
GeneID:	5970
OMIM:	164014
NCBI Accession:	NP_001138610.1, NP_001230913.1, NP_068810.3
HGNC:	9955
KEGG:	hsa:5970

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Ensembl:	ENSG00000173039
String:	9606.ENSP00000384273
Molecular Weight:	Calculated MW: 60.2 kDa
Buffer:	PBS containing 0.09% sodium azide.
Specificity:	Predicted to react with Chicken and Xenopus RELA.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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