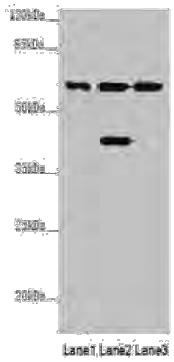
RELA Antibody

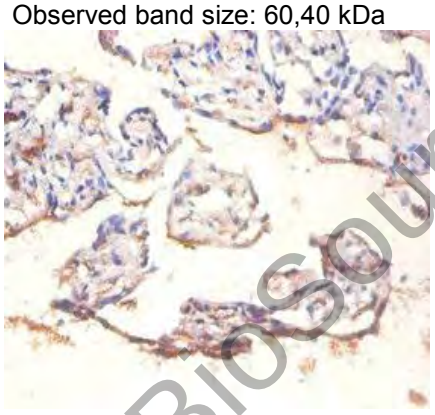
Product Code:	MBS1489473
Storage:	Upon receipt, store at -20° C or -80° C. Avoid repeated freeze.
Uniprot NO.:	Q04206
Immunogen:	Recombinant human Transcription factor p65 protein (1-210AA)
Raised In:	Rabbit
Species Reactivity:	Human
Tested Applications:	ELISA,WB,IHC,ChIP;Recommended dilution:WB:1:1000-1:5000,IHC:1:20-1:200
Relevance:	NF-kappa-B is a pleiotropic transcription factor present in almost all cell types and is the endpoint of a series of signal transduction events that are initiated by a vast array of stimuli related to many biological processes such as inflammation, immunity, differentiation, cell growth, tumorigenesis and apoptosis. NF-kappa-B is a homo- or heterodimeric complex formed by the Rel-like domain-containing proteins RELA/p65, RELB, NFKB1/p105, NFKB1/p50, REL and NFKB2/p52 and the heterodimeric p65-p50 complex appears to be most abundant one. The dimers bind at kappa-B sites in the DNA of their target genes and the individual dimers have distinct preferences for different kappa-B sites that they can bind with distinguishable affinity and specificity. Different dimer combinations act as transcriptional activators or repressors, respectively. NF-kappa-B is controlled by various mechanisms of post-translational modification and subcellular compartmentalization as well as by interactions with other cofactors or corepressors. NF-kappa-B complexes are held in the cytoplasm in an inactive state complexed with members of the NF-kappa-B inhibitor (I-kappa-B) family. In a conventional activation pathway, I-kappa-B is phosphorylated by I-kappa-B kinases (IKKs) in response to different activators, subsequently degraded thus liberating the active NF-kappa-B complex which translocates to the nucleus. NF-kappa-B heterodimeric p65-p50 and p65-c-Rel complexes are transcriptional activators. The NF-kappa-B p65-p65 complex appears to be involved in invasin-mediated activation of IL-8 expression. The inhibitory effect of I-kappa-B upon NF-kappa-B the cytoplasm is exerted primarily through the interaction with p65. p65 shows a weak DNA-binding site which could contribute directly to DNA binding in the NF-kappa-B complex. Associates with chromatin at the NF-kappa-B promoter region via association with DDX1.
Form:	Liquid
Conjugate:	Non-conjugated
Storage Buffer:	0.1mol/L NaCl, 15mmol/L NaN3, PH7.2
Purification Method:	>95%,Protein G purified
Isotype:	IgG
Clonality:	Polyclonal
Alias:	Nuclear factor NF-kappa-B p65 subunit,Nuclear factor of kappa light polypeptide gene enhancer in B-cells 3, RELA,NFKB3
Species:	Human
Research Area:	Immunology
Image:	



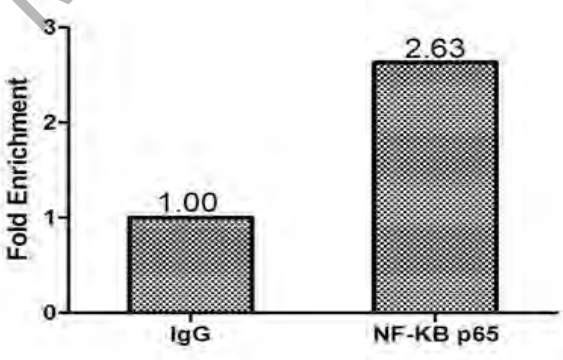
Western blot
All lanes: RELA antibody at 6ug/ml
Lane 1 : Jurkat whole cell lysate
Lane 2 : Hela whole cell lysate
Lane 3 : 293T whole cell lysate

Secondary
Goat polyclonal to rabbit IgG at 1/10000 dilution

Predicted band size: 61,59,60 kDa
Observed band size: 60,40 kDa



Immunohistochemistry of paraffin-embeded human placenta using MBS1489473 at dilution of 1:100



Chromatin Immunoprecipitation Hela(1.2*106)were cross-linked with formaldehyde, sonicated, and immunoprecipitated with 4ug anti-NF-kB p65 or a control normal rabbit IgG . The resulting ChIP DNA was quantified using real-time PCR with primers against the IkBAlpha promoter.