

Product datasheet for **TA392496**

NF-κB p65 (RELA) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:2000~1:5000 IP: 1:50~1:200
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to Human NF-KB p65.
Specificity:	NF-KB p65 (Ab-536) polyclonal antibody detects endogenous levels of NF-KB p65 protein.
Formulation:	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2.
Concentration:	1mg/ml
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Stability:	1 year
Predicted Protein Size:	~ 65 kDa
Gene Name:	RELA proto-oncogene, NF-κB subunit
Database Link:	Entrez Gene 5970 Human Q04206

Background: Transcription factors of the nuclear factor κB (NF-κB)/Rel family play a pivotal role in inflammatory and immune responses. There are five family members in mammals: RelA, c-Rel, RelB, NF-κB1 (p105/p50), and NF-κB2 (p100/p52). Both p105 and p100 are proteolytically processed by the proteasome to produce p50 and p52, respectively. Rel proteins bind p50 and p52 to form dimeric complexes that bind DNA and regulate transcription. In unstimulated cells, NF-κB is sequestered in the cytoplasm by IκB inhibitory proteins. NF-κB-activating agents can induce the phosphorylation of IκB proteins, targeting them for rapid degradation through the ubiquitin-proteasome pathway and releasing NF-κB to enter the nucleus where it regulates gene expression. NIK and IKKα (IKK1) regulate the phosphorylation and processing of NF-κB2 (p100) to produce p52, which translocates to the nucleus.

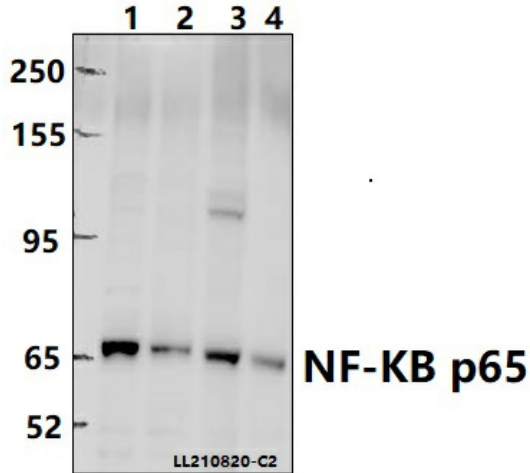


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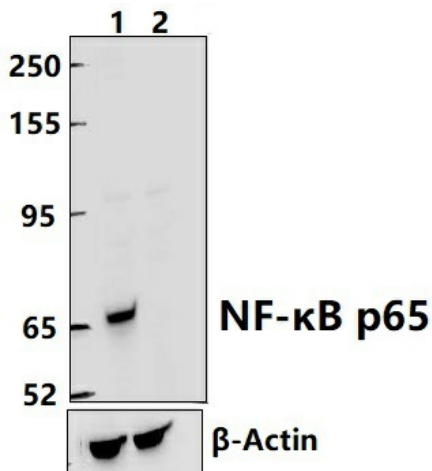
Synonyms: Nuclear factor NF-kappa-B p65 subunit; Nuclear factor of kappa light polypeptide gene enhancer in B-cells 3; Transcription factor p65

Note: For research use only, not for use in diagnostic procedure.

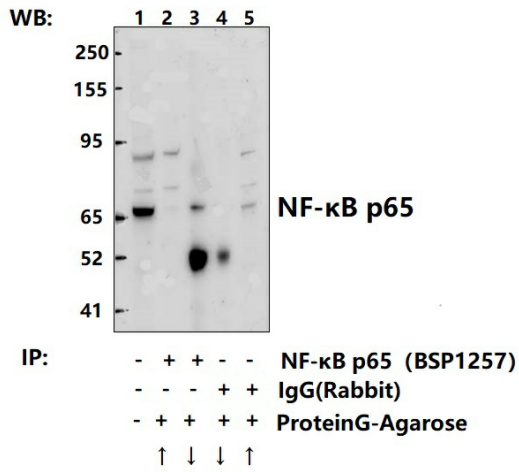
Product images:



Western blot (WB) analysis of NF-κB p65 (Ab-536) polyclonal antibody at 1:2000 dilution
 Lane1:MCF-7 whole cell lysate(40ug) Lane2:U-87MG whole cell lysate(40ug) Lane3:SP2/O whole cell lysate(40ug) Lane4:H9C2 whole cell lysate(40ug)



Western blot (WB) analysis of NF-κB p65 (Ab-536) polyclonal antibody at 1:1000 dilution
 Lane1:A549 whole cell lysate(40ug) Lane2:NF-κB p65 knockout A549 whole cell lysate(40ug)



Immunoprecipitation of HEK293T cell lysates using NF-κB p65 (Ab-536) pAb (Sepharose Bead Conjugate)#BD0048 (lane 2 and lane 3) and Nonspecific IgG Control (Sepharose Bead Conjugate)#BD0048 (lane 4 and lane 5). Lane 1 is 30% input. The western blot was probed using NF-κB p65 (Ab-536) pAb #TA392496.