

## Product datasheet for **TA890002**

### **NF-kB p65 (RELA) Rabbit Polyclonal Antibody**

#### **Product data:**

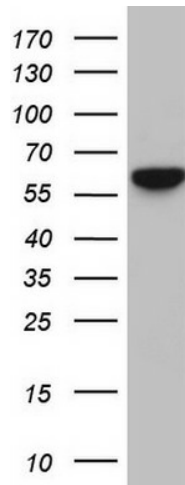
<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	IHC, WB
<b>Recommend Dilution:</b>	WB 1:2000, IHC 1:150
<b>Reactivity:</b>	Human
<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	Synthetic peptide conjugated to KLH derived from within residues 100 - 170 of Human RELA.
<b>Formulation:</b>	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
<b>Concentration:</b>	1 mg/ml
<b>Purification:</b>	Purified from the immunized serum by affinity chromatography (Protein A/G)
<b>Predicted Protein Size:</b>	60 kDa
<b>Gene Name:</b>	RELA proto-oncogene, NF-kB subunit
<b>Database Link:</b>	<a href="#">NP_068810</a> <a href="#">Entrez Gene 5970</a> <a href="#">Human</a>
<b>Background:</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. [provided by RefSeq, Sep 2011]
<b>Synonyms:</b>	NFKB3; p65
<b>Protein Families:</b>	Druggable Genome, Transcription Factors



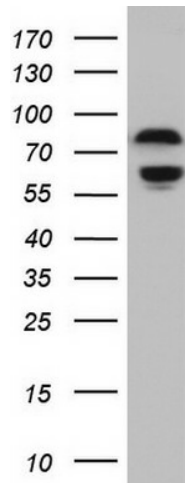
[View online »](#)

**Protein Pathways:**

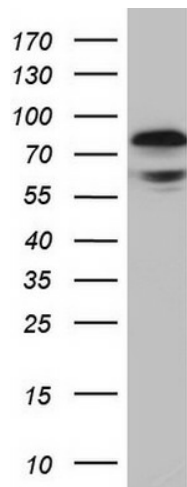
Acute myeloid leukemia, Adipocytokine signaling pathway, Apoptosis, B cell receptor signaling pathway, Chemokine signaling pathway, Chronic myeloid leukemia, Cytosolic DNA-sensing pathway, Epithelial cell signaling in Helicobacter pylori infection, MAPK signaling pathway, Neurotrophin signaling pathway, NOD-like receptor signaling pathway, Pancreatic cancer, Pathways in cancer, Prostate cancer, RIG-I-like receptor signaling pathway, Small cell lung cancer, T cell receptor signaling pathway, Toll-like receptor signaling pathway

**Product images:**

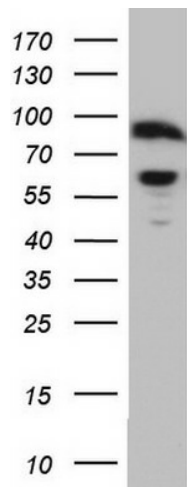
Western blot analysis of HEK293 cell lysate (35ug) by using Rabbit polyclonal anti-RELA antibody at 1:2000 dilution.



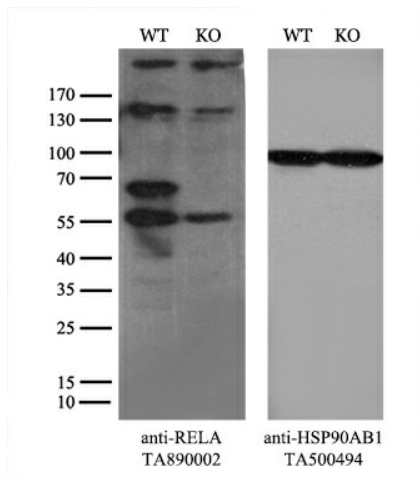
Western blot analysis of HeLa cell lysate (35ug) by using Rabbit polyclonal anti-RELA antibody at 1:2000 dilution.



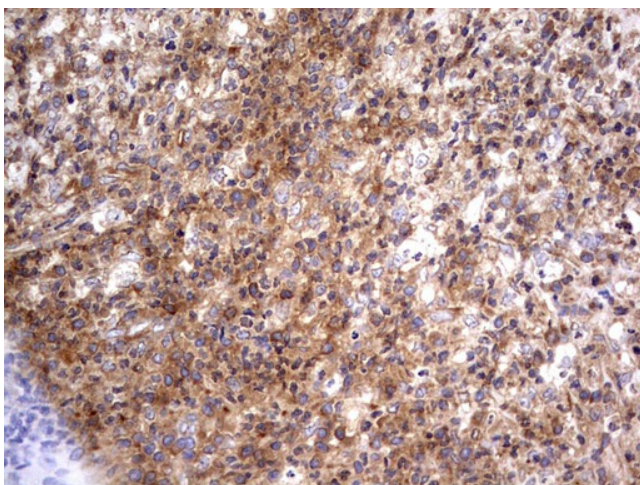
Western blot analysis of HT29 cell lysate (35ug) by using Rabbit polyclonal anti-RELA antibody at 1:2000 dilution



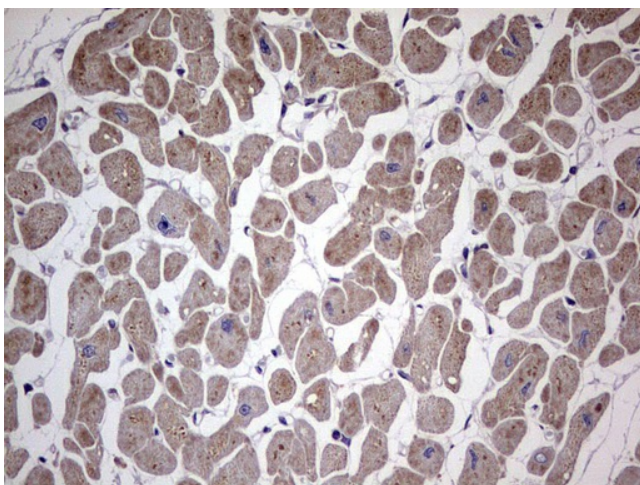
Western blot analysis of MCF7 cell lysate (35ug) by using Rabbit polyclonal anti-RELA antibody at 1:2000 dilution.



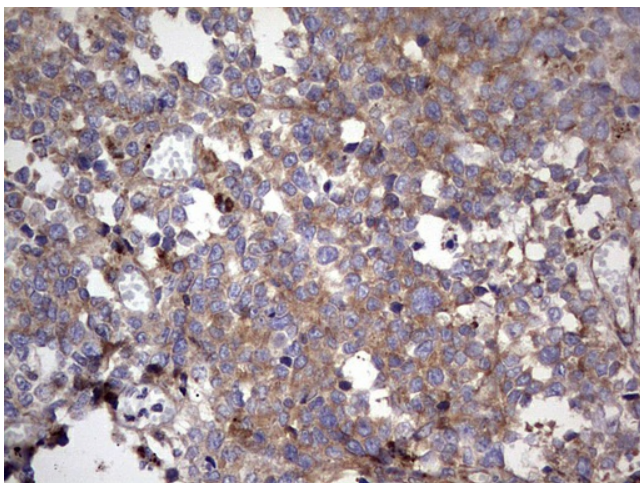
Equivalent amounts of cell lysates (10 ug per lane) of wild-type HeLa cells (WT, Cat# LC810HELA) and RELA-Knockout HeLa cells (KO, Cat# [LC810201]) were separated by SDS-PAGE and immunoblotted with anti-RELA monoclonal antibody TA890002, (1:500). Then the blotted membrane was stripped and reprobed with anti-HSP90AB1 antibody ([TA500494]) as a loading control.



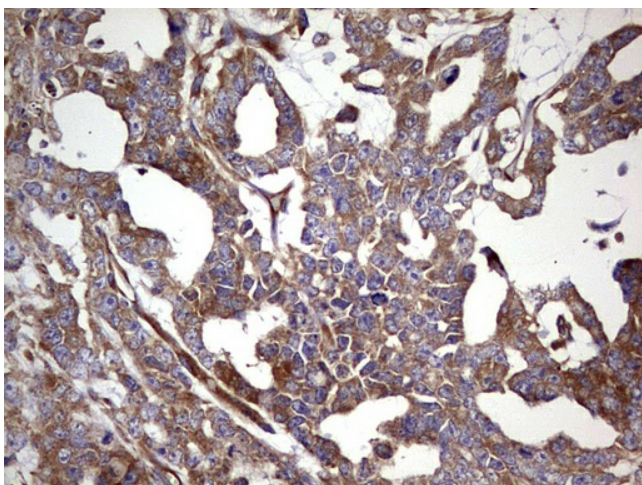
Immunohistochemical staining of paraffin-embedded Human lymph node tissue within the normal limits using Rabbit polyclonal anti-RELA antibody at (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min).



Immunohistochemical staining of paraffin-embedded Human adult heart tissue using Rabbit polyclonal anti-RELA antibody at (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min).



Immunohistochemical staining of paraffin-embedded Human melanoma tissue using Rabbit polyclonal anti-RELA antibody at (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min).



Immunohistochemical staining of paraffin-embedded Human testicular cancer tissue using Rabbit polyclonal anti-RELA antibody at (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min).