OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TA890002S

NF-kB p65 (RELA) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide conjugated to KLH derived from within residues 100 - 170 of Human RELA.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from the immunized serum by affinity chromatography (Protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	60 kDa
Gene Name:	RELA proto-oncogene, NF-kB subunit
Database Link:	NP_068810 Entrez Gene 19697 MouseEntrez Gene 309165 RatEntrez Gene 5970 Human Q04206
Background:	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]
Synonyms:	NFKB3; p65

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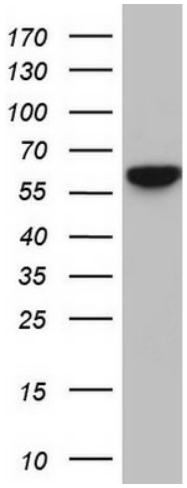
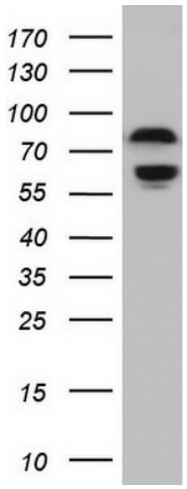
Protein Families: Druggable Genome, Transcription Factors

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

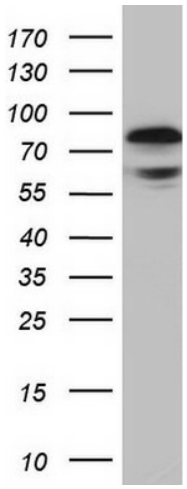
Product images:



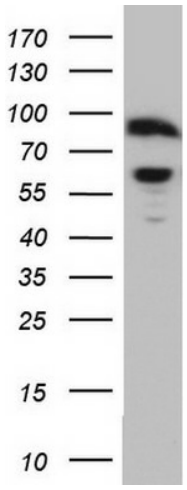
Western blot analysis of HEK293 cell lysate (35ug) by using Rabbit polyclonal anti-RELA antibody at 1:2000 dilution.



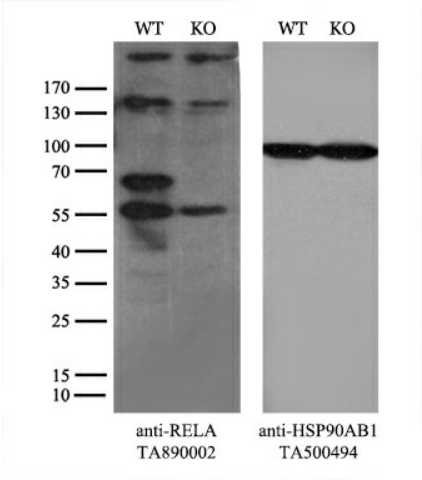
Western blot analysis of HeLa cell lysate (35ug) by using Rabbit polyclonal anti-RELA antibody at 1:2000 dilution.



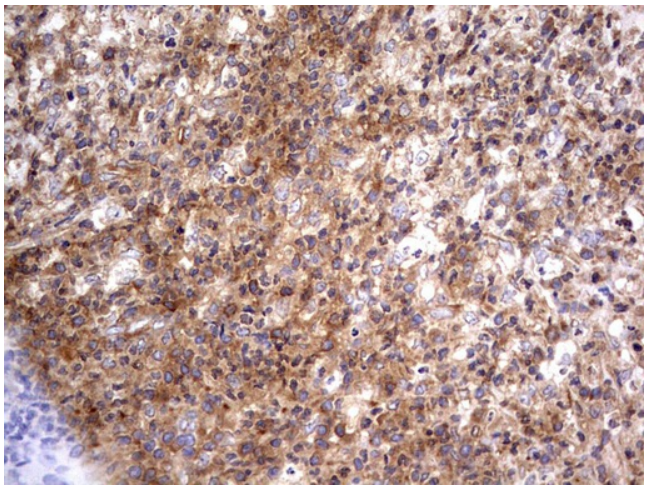
Western blot analysis of HT29 cell lysate (35ug) by using Rabbit polyclonal anti-RELA antibody at 1:2000 dilution



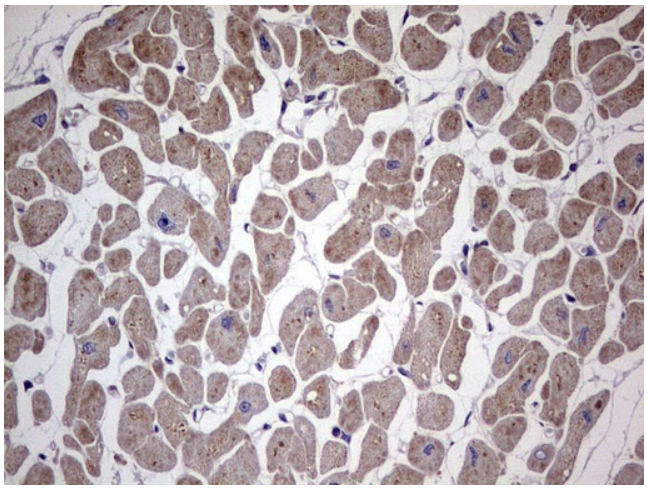
Western blot analysis of MCF7 cell lysate (35ug) by using Rabbit polyclonal anti-RELA antibody at 1:2000 dilution.



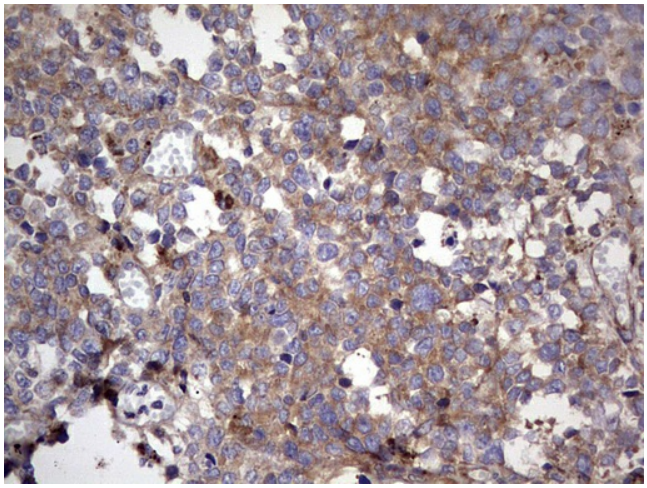
Equivalent amounts of cell lysates (10 ug per lane) of wild-type HeLa cells (WT, Cat# LC810HELA) and RELA-Knockout HeLa cells (KO, Cat# [LC810201]) were separated by SDS-PAGE and immunoblotted with anti-RELA monoclonal antibody [TA890002], (1:500). Then the blotted membrane was stripped and reprobed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



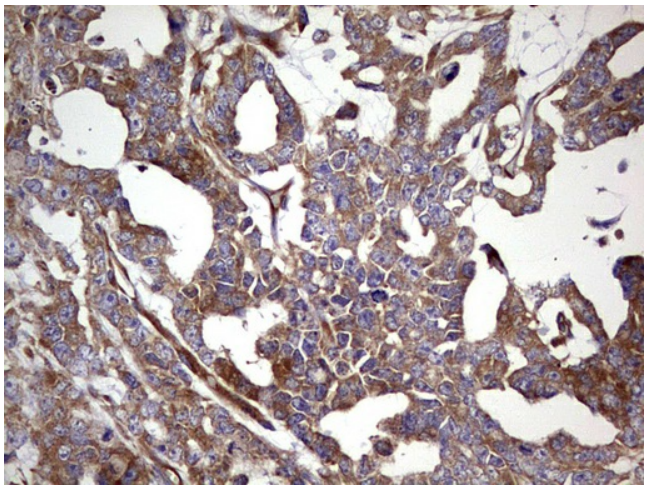
Immunohistochemical staining of paraffin-embedded Human lymph node tissue within the normal limits using Rabbit polyclonal anti-RELA antibody at (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min).



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