

## Product datasheet for **TA336457**

### NF- $\kappa$ B p65 (RELA) Mouse Monoclonal Antibody [Clone ID: 112A1021]

#### Product data:

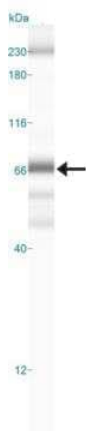
Product Type:	Primary Antibodies
Clone Name:	112A1021
Applications:	CyTOF-ready, FC, IHC, IP, Simple Western, WB
Recommended Dilution:	Immunohistochemistry: 5 - 15 ug/mL, Western Blot: 2 - 5 ug/mL, Flow (Intracellular), Immunohistochemistry-Paraffin: 5 ug/mL, Simple Western: 1:25, Immunoprecipitation, Flow Cytometry: 0.25 - 0.5 ug/10 <sup>6</sup> cells, CyTOF-ready
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1, kappa
Clonality:	Monoclonal
Immunogen:	This antibody was raised against a synthetic peptide corresponding to amino acids 526-539 of human NF- $\kappa$ B (p65) protein.
Formulation:	PBS containing 0.05% BSA, 0.05% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration:	lot specific
Purification:	Protein G purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	RELA proto-oncogene, NF- $\kappa$ B subunit
Database Link:	<a href="#">NP_068810</a> <a href="#">Entrez Gene 19697 Mouse</a> <a href="#">Entrez Gene 309165 Rat</a> <a href="#">Entrez Gene 5970 Human</a> <a href="#">Q04206</a>



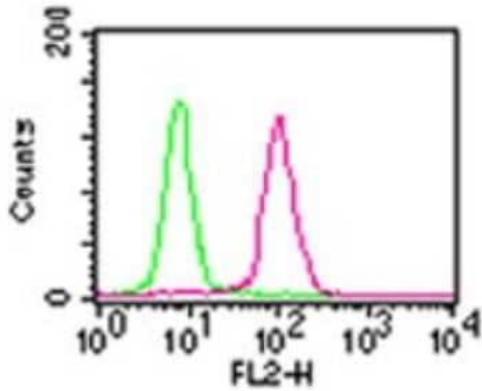
[View online »](#)

<b>Background:</b>	NF-kB (nuclear factor kB) regulates the expression of a large number of genes that play critical roles in apoptosis, viral replication, tumorigenesis, various autoimmune diseases and inflammation. The active nuclear form of the NF-kB transcription factor complex is composed of two DNA binding subunits, NF-kB p65 and p50, both of which share extensive N-terminal sequence homology with the v-rel oncogene product. N-terminal regions of p50 and p65 are critical for DNA binding and help determine the DNA-binding specificities of p50 and p65.
<b>Synonyms:</b>	NFKB3; p65
<b>Note:</b>	Western Blot and Flow cytometry/analysis (Intracellular) as reported in the literature (Wittmann et al, 2005). IHC (paraffin) as reported in the literature (Chang et al, 2005)
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Protein Pathways:</b>	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

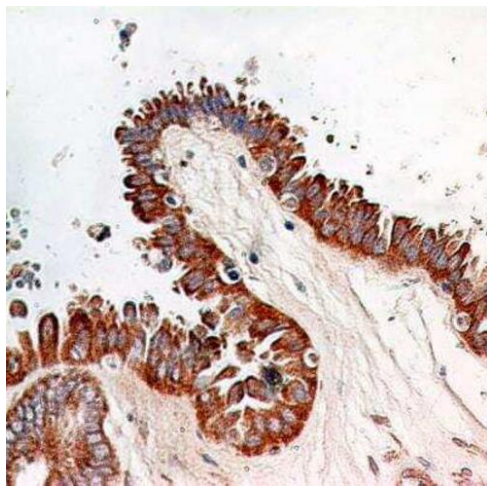
### Product images:



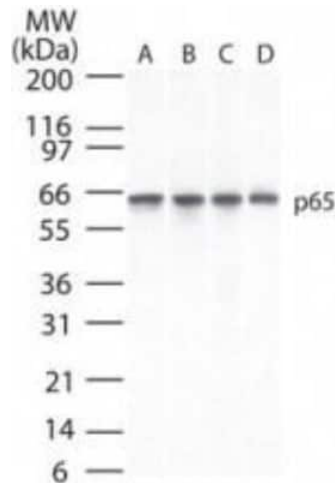
Simple Western: RelA/NFkB p65 Antibody (112A1021) TA336457 - Lane view shows a specific band for NFkB p65 in 1.0 mg/mL of HeLa lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



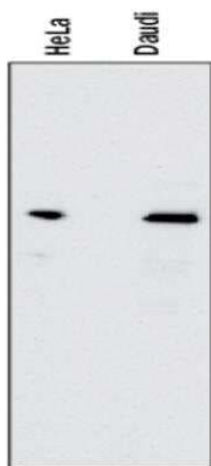
Flow Cytometry: RelA/NFkB p65 Antibody (112A1021) TA336457 - Intracellular staining of 293 HEK cells using 0.5 ug of p65 antibody. Green histogram represents the isotype control (p65) antibody. This NFkB p65 antibody was used for this test with an anti-mouse IgG PE conjugated secondary antibody.



Immunohistochemistry-Paraffin: RelA/NFkB p65 Antibody (112A1021) TA336457 - Ovarian cystadenocarcinoma probed with p65 antibody at 5 ug/mL. Human tissue TMA was used for this test. Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM sodium citrate buffer, pH 6.0 for 10-20 min followed by cooling at RT for 20 min.



Western Blot: RelA/NFkB p65 Antibody (112A1021) TA336457 - Analysis of P65 using p65 antibody at 2 ug/mL in 30 ug of A) Ramos, B) Daudi, C) HeLa and D) mouse NIH 3T3 cell lysate.



Western Blot: RelA/NFkB p65 Antibody (112A1021) TA336457 - Lysates of HeLa human cervical epithelial carcinoma cell line and Daudi human Burkitt's lymphoma cell line. PVDF membrane was probed with 1 ug/mL mouse anti-RelA/NFkB p65 monoclonal (TA336457, Novus Biologicals), followed by 1:2000 dilution of the appropriate HRP-conjugated secondary antibody, donkey anti-mouse IgG (HAF018).