

## Product datasheet for **TA336824**

### **NFKB1 Rabbit Polyclonal Antibody**

#### **Product data:**

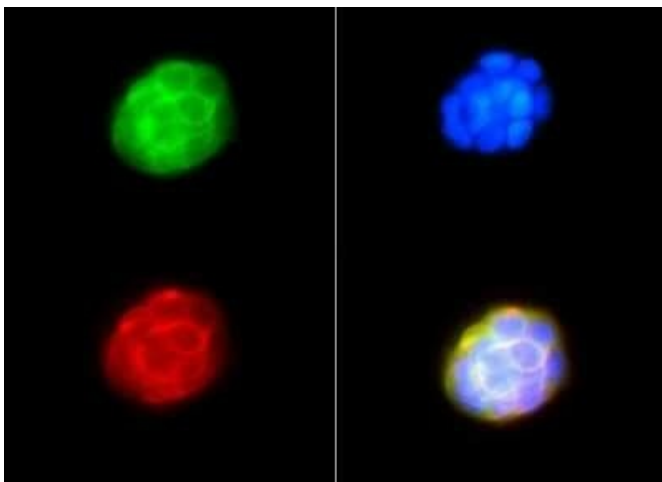
<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	ICC/IF, IHC, Simple Western, WB
<b>Recommended Dilution:</b>	Western Blot: 1:1000, Simple Western: 1:20, Immunohistochemistry: 1:250, Immunocytochemistry/ Immunofluorescence: 1:100, Immunohistochemistry-Paraffin: 1:250, Immunohistochemistry-Frozen
<b>Reactivity:</b>	Human, Mouse
<b>Host:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	A genomic peptide made to an N-terminal region of the human NFkB p105/p50 protein (within residues 400-590). [Swiss-Prot P19838]
<b>Formulation:</b>	PBS, 0.05% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Immunogen affinity purified
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	105 kDa
<b>Gene Name:</b>	nuclear factor kappa B subunit 1
<b>Database Link:</b>	<a href="#">NP_003989</a> <a href="#">Entrez Gene 18033 Mouse</a> <a href="#">Entrez Gene 4790 Human</a> <a href="#">P19838</a>



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- Background:** Nuclear factor kappa beta (NFKB) is a transcription factor that is highly influenced by stress, free-radicals, UV light and hypoxia. Unsurprisingly, NFKB is essential for many human cancers, as it regulates the expression of many downstream proteins that regulate or modify cellular growth and development. NFKB effects on angiogenic pathways and reactive mechanisms to stress and damage are well established throughout literature. Atherosclerosis is partly attributed to the mis-regulation of NFKB in hypoxia. Arthritis is related to inflammation proteins regulated through NFKB. It also has been shown to be important in synapses in brain, leading to memory and cognitive ability or impairment. In all, NFKB is one of the fastest responding transcription factors in humans, and is likely to mediate many responsive events in diseases and injury recovery.
- Synonyms:** CVID12; EBP-1; KBF1; NF-kappa-B; NF-kappaB; NF-kB1; NfkappaB; NFKB-p50; NFKB-p105; p50; p105
- Note:** This NFKB1 antibody is useful for IHC-P, ICC/IF and Western blot where a band is seen ~110 kDa. Prior to immunostaining paraffin tissues, antigen retrieval with sodium citrate buffer (pH 6.0) is recommended.
- 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, Metabolic pathways, 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

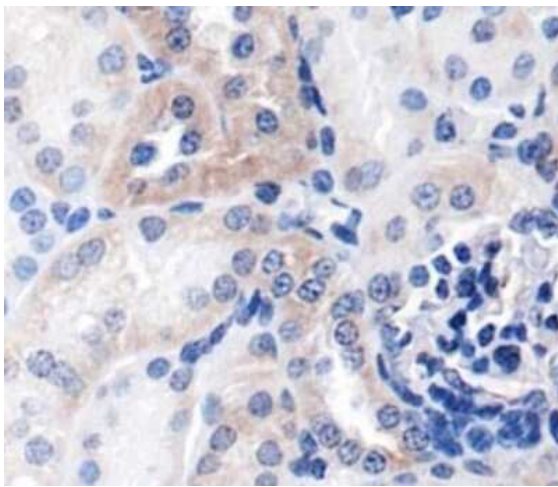
### Product images:



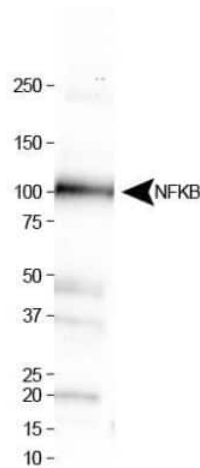
Immunocytochemistry/Immunofluorescence:  
NFKB1/NFKB p105 Antibody TA336824 - Antibody was tested in HeLa cells with FITC (green). Nuclei and actin were counterstained with Dapi (blue) and Phalloidin (red).



Simple Western: NFKB1/NFKB p105 Antibody TA336824 - Simple Western lane view shows a specific band for NFKB p105 in 0.5 mg/ml of HepG2 lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Immunohistochemistry: NFKB1/NFKB p105 Antibody TA336824 - IHC analysis of NFKB in mouse kidney using DAB with hematoxylin counterstain.



Western Blot: NFKB1/NFKB p105 Antibody TA336824 - WB analysis of NFKB in HepG2 whole cell lysate.