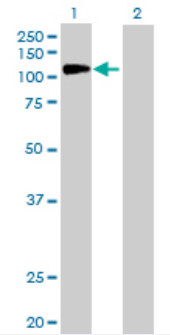
MaxPab®

NFKB1 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00004790-D01P Size 100 ug

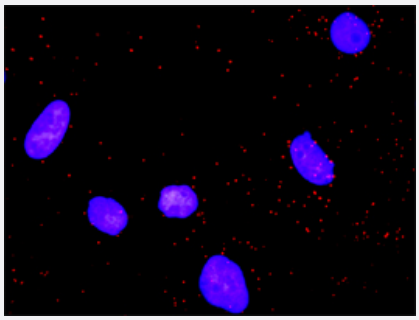
Applications



Western Blot (Transfected lysate)

Western Blot analysis of NFKB1 expression in transfected 293T cell line (H00004790-T01) by NFKB1 MaxPab polyclonal antibody.

Lane 1: NFKB1 transfected lysate(105.40 KDa).
Lane 2: Non-transfected lysate.



In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between NFKB1 and CD82. HeLa cells were stained with anti-NFKB1 rabbit purified polyclonal 1:1200 and anti-CD82 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human NFKB1 protein.
Immunogen	NFKB1 (AAH51765.1, 1 a.a. ~ 969 a.a) full-length human protein.

Sequence	MAEDDPYLGRPEQMFHLDPSLTHTIFNPEVFQPQMALPTADGPYLQILEQPKQRGFRFRYVCEGP SHGGLPGASSEKNKKSYPQVKICNYVGPAKVIVQLVTNGKNIHLHAHSLVGKHCEDGICTVTAGPK DMVVGFANLGILHVTKKKVFETLEARMTEACIRGYNPGLLVHPDLAYLQAEGGGDRQLGDREKELI RQAALQQTKEMDLSVVRLMFTAFLPDSTGSFTRRLEPVVSDAIYDSKAPNASNLKIVRMDRTAGC VTGGEEIYLLCDKVQKDDIQIRFYEEEENGGVWEGFGDFSPTDVHRQFAIVFKTPKYKDINITKPAS VFVQLRRKSDLETSEPKPFLYYPEIKDKEEVQRKRQKLMPNFSDSFGGGSGAGAGGGGMFGSG GGGGGTGSTGPGYSFPHYGFPTYGGITFHPGTTKSNAGMKHGTMDTESKKDPEGCDKSDDKNT VNLFGKVIETTEQDQEPSEATVGNGEVTLTYATGTKEESAGVQDNLFLEKAMQLAKRHANALFDY AVTGDVKMLLAVQRHLTAVQDENGDSVLHLAIIHLHSQLVRDLLEVTSGLISDDIINMRNDLYQTPLH LAVITKQEDVVEDLLRAGADLSLLDRLGNSVLHLAAKEGHDKVLSILLKHKKAALLLDHPNGDGLN AIHLAMMSNSLPCLLLLVAAGADVNAQEQKSGRTALHLAVEHDNISLAGCLLLEGDAHVDSTTYD GTTPLHIAAGRGSTRLAALLKAAGADPLVENFEPLYDLDDSWENAGEDEGVVPGTTPLDMATSW QVFDILNGKPYEPEFTSDDLLAQGDMKQLAEDVKLQLYKLLEIPDPDKNWATLAQKLGLGILNNAF RLSPAPSKTLMDNYEVSGGTVRELVEALRQMGYTEAIEVIQAASSPVKTTSQAHSLPLSPASTRQ QIDELRDSDSVCDSGVETSFRKLSFTESLTSGASLLTLNKMPHDYGQEGPLEGKI
Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (86); Rat (85)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

  Western Blot analysis of NFKB1 expression in transfected 293T cell line (H00004790-T01) by NFKB1 MaxPab polyclonal antibody.

  Lane 1: NFKB1 transfected lysate(105.40 KDa).
  Lane 2: Non-transfected lysate.

  Protocol Download

- *In situ* Proximity Ligation Assay (Cell)

  Proximity Ligation Analysis of protein-protein interactions between NFKB1 and CD82. HeLa cells were stained with anti-NFKB1 rabbit purified polyclonal 1:1200 and anti-CD82 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Gene Info — NFKB1

Entrez GeneID	4790
GeneBank Accession#	NM_003998
Protein Accession#	AAH51765.1
Gene Name	NFKB1
Gene Alias	DKFZp686C01211, EBP-1, KBF1, MGC54151, NF-kappa-B, NFKB-p105, NFKB-p50, p105, p50
Gene Description	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1
Omim ID	164011
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a 105 kD protein which can undergo cotranslational processing by the 26S proteasome to produce a 50 kD protein. The 105 kD protein is a Rel protein-specific transcription inhibitor and the 50 kD protein is a DNA binding subunit of the NF-kappa-B (NFKB) protein complex. NFKB is a transcription regulator that is activated by various intra- and extra-cellular stimuli such as cytokines, oxidant-free radicals, ultraviolet irradiation, and bacterial or viral products. Activated NFKB translocates into the nucleus and stimulates the expression of genes involved in a wide variety of biological functions. Inappropriate activation of NFKB has been associated with a number of inflammatory diseases while persistent inhibition of NFKB leads to inappropriate immune cell development or delayed cell growth. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq
Other Designations	DNA binding factor KBF1|NF-kappabeta|nuclear factor NF-kappa-B p50 subunit|nuclear factor kappa-B DNA binding subunit|nuclear factor kappa-B, subunit 1

Pathway

- Acute myeloid leukemia
- Adipocytokine signaling pathway
- Apoptosis
- B cell receptor signaling pathway
- Chemokine signaling pathway
- Chronic myeloid leukemia
- Epithelial cell signaling in Helicobacter pylori infection

- MAPK signaling pathway
- Metabolic pathways
- Neurotrophin signaling pathway
- Pancreatic cancer
- Pathways in cancer
- Prostate cancer
- Small cell lung cancer
- T cell receptor signaling pathway
- Toll-like receptor signaling pathway

Disease

- Abortion
- Acute Lung Injury
- Adenocarcinoma
- Alcoholism
- Alzheimer disease
- Arthritis
- Asthma
- Atherosclerosis
- Behcet Syndrome
- Birth Weight
- Breast cancer
- Breast Neoplasms
- Calcinosis
- Carcinoid Tumor
- Carcinoma

- Cardiomyopathy
- Cardiovascular Diseases
- Celiac Disease
- Chorioamnionitis
- Colitis
- Colon cancer
- Colonic Neoplasms
- Colorectal Neoplasms
- Connective Tissue Diseases
- Coronary Artery Disease
- Crohn Disease
- Dermatitis
- Diabetes Complications
- Diabetes Mellitus
- Diabetic Nephropathies
- Diabetic Retinopathy
- Disease Progression
- Disease Susceptibility
- Edema
- Endometriosis
- Esophageal Neoplasms
- Fetal Diseases
- Fetal Membranes
- Gastrointestinal Neoplasms
- Genetic Predisposition to Disease
- Glioblastoma

- Glioma
- Graves Disease
- Graves Ophthalmopathy
- Head and Neck Neoplasms
- Hematologic Diseases
- Hepatitis B
- Hepatitis C
- Hodgkin Disease
- Immune System Diseases
- Infection
- Inflammation
- Inflammatory Bowel Diseases
- Kidney Failure
- Kidney Neoplasms
- Leukemia
- Liver Cirrhosis
- Liver Neoplasms
- Lung Neoplasms
- Lupus Erythematosus
- Lymphatic Metastasis
- Lymphoma
- Lymphoproliferative Disorders
- Malignant melanoma
- Melanoma
- Meningeal Neoplasms
- Meningioma

- Metabolic Syndrome X
- Mouth Neoplasms
- Multiple Myeloma
- Musculoskeletal Diseases
- Nasopharyngeal Neoplasms
- Neoplasm Recurrence
- Neoplasms
- Neuroendocrine Tumors
- Obesity
- Obstetric Labor
- Occupational Diseases
- Osteoporosis
- Ovarian Failure
- Pain
- Pancreatic cancer
- Pancreatic Neoplasms
- Parkinson disease
- Polycystic Ovary Syndrome
- Polymyalgia Rheumatica
- Postoperative Hemorrhage
- Pre-Eclampsia
- Pregnancy Complications
- Premature Birth
- Prostate cancer
- Prostatic Hyperplasia

- Prostatic Neoplasms
- Prostatitis
- Psoriasis
- Puberty
- Pulmonary Disease
- Rectal Neoplasms
- Recurrence
- Sarcoidosis
- Silicosis
- Skin Diseases
- Skin Neoplasms
- Spondylitis
- Stomach Neoplasms
- Temporal Arteritis
- Thrombophilia
- Tobacco Use Disorder
- Urinary Bladder Neoplasms
- Uterine Cervical Neoplasms
- Viremia
- Waldenstrom Macroglobulinemia
- Werner syndrome