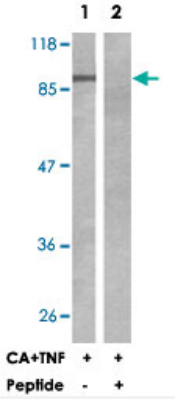
NFKB1 polyclonal antibody

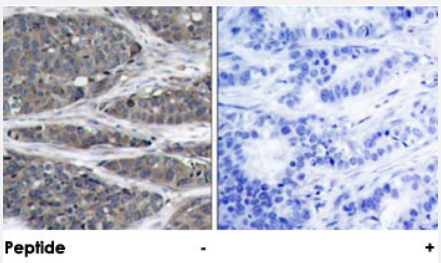
Catalog # PAB18492 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from HeLa cells, untreated or treated with CA+TNF (20 ng/mL, 10 min), using NFKB1 polyclonal antibody (Cat # PAB18492).
Peptide "+" means "peptide blocking".



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using NFKB1 polyclonal antibody (Cat # PAB18492).
Peptide "+" means "peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of NFKB1.
Immunogen	A synthetic peptide corresponding to residues surrounding S932 of human NFKB1.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody is specific to NFKB1.
Form	Liquid

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Purification	Affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:100) ELISA (1:20000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

  Western blot analysis of extracts from HeLa cells, untreated or treated with CA+TNF (20 ng/mL, 10 min), using NFKB1 polyclonal antibody (Cat # PAB18492).
  Peptide "+" means "peptide blocking".

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using NFKB1 polyclonal antibody (Cat # PAB18492).
  Peptide "+" means "peptide blocking".

- Enzyme-linked Immunoabsorbent Assay

Gene Info — NFKB1

Entrez GeneID	4790
Protein Accession#	P19838
Gene Name	NFKB1
Gene Alias	DKFZp686C01211, EBP-1, KBF1, MGC54151, NF-kappa-B, NFKB-p105, NFKB-p50, p105, p5 0
Gene Description	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1
Omim ID	164011

Copyright © 2023 Abnova Corporation. All Rights Reserved.

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

Publication Reference

- Qishenyiqi Dropping Pill attenuates myocardial fibrosis in rats by inhibiting RAAS-mediated arachidonic acid inflammation.

  Wang J, Lu L, Wang Y, Wu Y, Han J, Wang W, Li C, Tu P.

  Journal of Ethnopharmacology 2015 Dec; 176:375.

  Application: WB-Ti, Rat, Cardiac

- Qishenyiqi Protects Ligation-Induced Left Ventricular Remodeling by Attenuating Inflammation and Fibrosis via STAT3 and NF-κB Signaling Pathway.

  Li C, Wang Y, Qiu Q, Shi T, Wu Y, Han J, Chai X, Wang W.

  PLoS One 2014 Aug; 9(8):e104255.

  Application: WB-Ti, Rat, Cardiac

Pathway

- Acute myeloid leukemia
- Adipocytokine signaling pathway
- Apoptosis
- B cell receptor signaling pathway
- Chemokine signaling pathway
- Chronic myeloid leukemia

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.