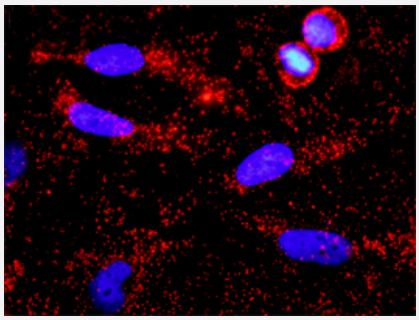
# NFKB1(phospho S893) & NFKB1 Protein Phosphorylation Antibody Pair

Catalog # DP0135 Size 1 Set

## Applications



Representative image of Proximity Ligation Assay of protein phosphorylation. HeLa cells were stained with dual recognition antibody pair set, rabbit polyclonal antibody 1:1200 and mouse monoclonal antibody 1:50. Each red dot represents one single phosphorylated protein. The images were analyzed using an optimized freeware (BlobFinder) download from The Centre for Image Analysis at Uppsala University.

## Specification

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|---|---|
| **Product Description** | This protein phosphorylation antibody pair set comes with two antibodies, one against the NFKB1 protein, and the other against the specific S893 phosphorylated site of NFKB1 for use in *in situ* Proximity Ligation Assay. See Publication Reference below. |
| **Reactivity** | Human |
| **Quality Control Testing** | Dual recognition immunofluorescence result.<br>Representative image of Proximity Ligation Assay of protein phosphorylation. HeLa cells were stained with dual recognition antibody pair set, rabbit polyclonal antibody 1:1200 and mouse monoclonal antibody 1:50. Each red dot represents one single phosphorylated protein. The images were analyzed using an optimized freeware (BlobFinder) download from The Centre for Image Analysis at Uppsala University. |
| **Supplied Products** | Antibody pair set content:<br>1. Phospho-NFKB1 S893 rabbit polyclonal antibody (20 ul)<br>In PBS (without Mg2+ and Ca2+), 150 mM NaCl, pH 7.4 (0.02% sodium azide, 50% glycerol)<br>2. NFKB1 mouse monoclonal antibody (40 ug)<br>In 1x PBS, pH 7.2<br>*Reagents are sufficient for at least 30-50 assays using recommended protocols. |
| **Storage Instruction** | Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use. |

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## Applications

- *In situ* Proximity Ligation Assay (Cell)

## Gene Info — NFKB1

| | |
|---|---|
| **Entrez GeneID** | 4790 |
| **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

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- 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

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- 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

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- 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

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- 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

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- 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

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