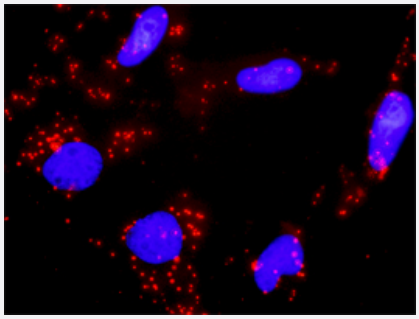
NFKB1 & HSPA1L Protein Protein Interaction Antibody Pair

Catalog # DI0528 Size 1 Set

Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between NFKB1 and HSPA1L. HeLa cells were stained with anti-NFKB1 rabbit purified polyclonal antibody 1:1200 and anti-HSPA1L mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex. The images were analyzed using an optimized freeware (BlobFinder) download from The Centre for Image Analysis at Uppsala University.

Specification

Product Description	This protein protein interaction antibody pair set comes with two antibodies to detect the protein-protein interaction, one against the NFKB1 protein, and the other against the HSPA1L protein for use in *in situ* Proximity Ligation Assay. See Publication Reference below.
Reactivity	Human
Quality Control Testing	Protein protein interaction immunofluorescence result. Representative image of Proximity Ligation Assay of protein-protein interactions between NFKB1 and HSPA1L. HeLa cells were stained with anti-NFKB1 rabbit purified polyclonal antibody 1:1200 and anti-HSPA1L mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex. The images were analyzed using an optimized freeware (BlobFinder) download from The Centre for Image Analysis at Uppsala University.
Supplied Product	Antibody pair set content: 1. NFKB1 rabbit purified polyclonal antibody (100 ug) 2. HSPA1L mouse monoclonal antibody (40 ug) *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.

Applications

- *In situ* Proximity Ligation Assay (Cell)

Gene Info — HSPA1L

Entrez GeneID	3305
Gene Name	HSPA1L
Gene Alias	HSP70-1L, HSP70-HOM, HSP70T, hum70t
Gene Description	heat shock 70kDa protein 1-like
Omim ID	140559
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a 70kDa heat shock protein. In conjunction with other heat shock proteins, this protein stabilizes existing proteins against aggregation and mediates the folding of newly translat ed proteins in the cytosol and in organelles. The gene is located in the major histocompatibility co mplex class III region, in a cluster with two closely related genes which also encode isoforms of th e 70kDa heat shock protein. [provided by RefSeq
Other Designations	OTTHUMP00000029295|heat shock 10kDa protein 1-like|heat shock 70kD protein-like 1

Gene Info — NFKB1

Entrez GeneID	4790
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
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
- Antigen processing and presentation
- Apoptosis
- B cell receptor signaling pathway
- Chemokine signaling pathway
- Chronic myeloid leukemia
- Endocytosis
- Epithelial cell signaling in Helicobacter pylori infection
- MAPK signaling pathway
- 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
- Abortion
- Acute Disease
- Acute Lung Injury
- Adenocarcinoma
- AIDS-Related Opportunistic Infections
- Alcoholism
- Altitude Sickness
- Alzheimer disease
- Alzheimer disease
- Arthritis
- Arthritis
- Asthma
- Atherosclerosis
- Atrial Fibrillation
- Behcet Syndrome
- Birth Weight
- Bone Resorption
- Brain Ischemia
- Breast cancer
- Breast Neoplasms
- Calcinosis

- Carcinoid Tumor
- Carcinoma
- Carcinoma
- Cardiomyopathy
- Cardiovascular Diseases
- Cardiovascular Diseases
- Celiac Disease
- Cerebrovascular Accident
- Chorioamnionitis
- Cognition
- Colitis
- Colitis
- Colon cancer
- Colonic Neoplasms
- Colorectal Neoplasms
- Connective Tissue Diseases
- Connective Tissue Diseases
- Constriction
- Coronary Artery Disease
- Coronary Disease
- Critical Illness
- Crohn Disease
- Crohn Disease
- Cross Infection
- Depressive Disorder
- Dermatitis

- Diabetes Complications
- Diabetes Mellitus
- Diabetes Mellitus
- Diabetic Foot
- Diabetic Nephropathies
- Diabetic Nephropathies
- Diabetic Retinopathy
- Disease Progression
- Disease Progression
- Disease Susceptibility
- Drug Hypersensitivity
- Duodenal Ulcer
- Edema
- Edema
- Endometriosis
- Epidermal Necrolysis
- Esophageal Neoplasms
- Exanthema
- Fetal Diseases
- Fetal Diseases
- Fetal Membranes
- Gastrointestinal Neoplasms
- Genetic Predisposition to Disease
- Genetic Predisposition to Disease
- Glaucoma
- Glioblastoma

- Glioma
- Graft vs Host Disease
- Graves Disease
- Graves Disease
- Graves Ophthalmopathy
- Head and Neck Neoplasms
- Hearing Loss
- Helicobacter Infections
- Hematologic Diseases
- Hepatitis B
- Hepatitis C
- Hodgkin Disease
- Hypertension
- Immune System Diseases
- Infection
- Infection
- Inflammation
- Inflammation
- Inflammatory Bowel Diseases
- Inflammatory Bowel Diseases
- Kidney Failure
- Kidney Failure
- Kidney Neoplasms
- Leishmaniasis
- Leukemia
- Liver Cirrhosis

- Liver Neoplasms
- Lung Neoplasms
- Lung Neoplasms
- Lupus Erythematosus
- Lupus Erythematosus
- Lymphatic Metastasis
- Lymphoma
- Lymphoproliferative Disorders
- Malignant melanoma
- Melanoma
- Meningeal Neoplasms
- Meningioma
- Metabolic Syndrome X
- Mouth Neoplasms
- Multiple Myeloma
- Multiple Organ Failure
- Multiple Sclerosis
- Multiple Trauma
- Musculoskeletal Diseases
- Musculoskeletal Diseases
- Nasopharyngeal Neoplasms
- Neoplasm Recurrence
- Neoplasms
- Neuroendocrine Tumors
- Obesity
- Obesity

- Obstetric Labor
- Occupational Diseases
- Osteoporosis
- Osteoporosis
- Ovarian Failure
- Pain
- Pancreatic cancer
- Pancreatic Neoplasms
- Parkinson disease
- Parkinson disease
- Pneumonia
- Polycystic Ovary Syndrome
- Polymyalgia Rheumatica
- Postoperative Complications
- Postoperative Hemorrhage
- Precancerous Conditions
- Pre-Eclampsia
- Pre-Eclampsia
- Pregnancy Complications
- Pregnancy Complications
- Premature Birth
- Premature Birth
- Prostate cancer
- Prostate cancer
- Prostatic Hyperplasia
- Prostatic Neoplasms

- Prostatic Neoplasms
- Prostatitis
- Psoriasis
- Psychiatric Status Rating Scales
- Puberty
- Pulmonary Disease
- Pulmonary Disease
- Pulmonary Edema
- Rectal Neoplasms
- Recurrence
- Recurrence
- Sarcoidosis
- Sarcoidosis
- Schizophrenia
- Schizophrenic Psychology
- Silicosis
- Skin Diseases
- Skin Diseases
- Skin Neoplasms
- Spondylarthropathies
- Spondylitis
- Stevens-Johnson Syndrome
- Stomach Neoplasms
- Stomach Neoplasms
- Stroke

- Syndrome
- Systemic Inflammatory Response Syndrome
- Temporal Arteritis
- Thrombophilia
- Thyroiditis
- Tobacco Use Disorder
- Urinary Bladder Neoplasms
- Uterine Cervical Neoplasms
- Uveitis
- Viremia
- Waldenstrom Macroglobulinemia
- Werner syndrome