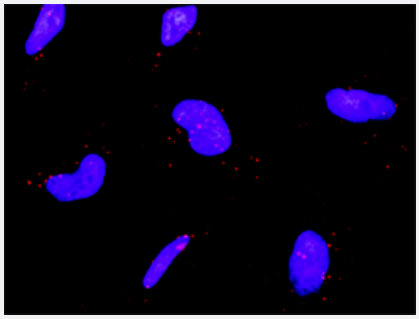
TNFRSF1A & IKBKB Protein Protein Interaction Antibody Pair

Catalog # DI0536 Size 1 Set

Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between TNFRSF1A and IKBKB. HeLa cells were stained with anti-TNFRSF1A rabbit purified polyclonal antibody 1:1200 and anti-IKBKB 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 TNFRSF1A protein, and the other against the IKBKB 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 TNFRSF1A and IKBKB. HeLa cells were stained with anti-TNFRSF1A rabbit purified polyclonal antibody 1:1200 and anti-IKBKB 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. TNFRSF1A rabbit purified polyclonal antibody (100 ug) 2. IKBKB 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 — IKBKB

Entrez GeneID	3551
Gene Name	IKBKB
Gene Alias	FLJ40509, IKK-beta, IKK2, IKKB, MGC131801, NFKBIKB
Gene Description	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta
Omim ID	603258
Gene Ontology	Hyperlink
Gene Summary	NFKB1 (MIM 164011) or NFKB2 (MIM 164012) is bound to REL (MIM 164910), RELA (MIM 164014), or RELB (MIM 604758) to form the NFKB complex. The NFKB complex is inhibited by I-kappa-B proteins (NFKBIA, MIM 164008, or NFKBIB, MIM 604495), which inactivate NF-kappa-B by trapping it in the cytoplasm. Phosphorylation of serine residues on the I-kappa-B proteins by kinases (IKBKA, MIM 600664, or IKBKB) marks them for destruction via the ubiquitination pathway, thereby allowing activation of the NF-kappa-B complex. Activated NFKB complex translocates into the nucleus and binds DNA at kappa-B-binding motifs such as 5-prime GGGRNNYYCC 3-prime or 5-prime HGGARNYYCC 3-prime (where H is A, C, or T; R is an A or G purine; and Y is a C or T pyrimidine).[supplied by OMIM
Other Designations	inhibitor of nuclear factor kappa B kinase beta subunit|nuclear factor NF-kappa-B inhibitor kinase beta

Gene Info — TNFRSF1A

Entrez GeneID	7132
Gene Name	TNFRSF1A
Gene Alias	CD120a, FPF, MGC19588, TBP1, TNF-R, TNF-R-I, TNF-R55, TNFAR, TNFR1, TNFR55, TNFR60, p55, p55-R, p60
Gene Description	tumor necrosis factor receptor superfamily, member 1A
Omim ID	142680 191190
Gene Ontology	Hyperlink

Gene Summary	The protein encoded by this gene is a member of the TNF-receptor superfamily. This protein is one of the major receptors for the tumor necrosis factor-alpha. This receptor can activate NF-kappa B, mediate apoptosis, and function as a regulator of inflammation. Antiapoptotic protein BCL2-associated athanogene 4 (BAG4/SODD) and adaptor proteins TRADD and TRAF2 have been shown to interact with this receptor, and thus play regulatory roles in the signal transduction mediated by the receptor. Germline mutations of the extracellular domains of this receptor were found to be associated with the autosomal dominant periodic fever syndrome. The impaired receptor clearance is thought to be a mechanism of the disease. [provided by RefSeq
Other Designations	tumor necrosis factor binding protein 1|tumor necrosis factor receptor 1|tumor necrosis factor receptor type 1|tumor necrosis factor-alpha receptor

Pathway

- Acute myeloid leukemia
- Adipocytokine signaling pathway
- Adipocytokine signaling pathway
- Amyotrophic lateral sclerosis (ALS)
- Apoptosis
- Apoptosis
- B cell receptor signaling pathway
- Chemokine signaling pathway
- Chronic myeloid leukemia
- Cytokine-cytokine receptor interaction
- Epithelial cell signaling in Helicobacter pylori infection
- Insulin signaling pathway
- MAPK signaling pathway
- MAPK signaling pathway
- Neurotrophin signaling pathway
- Pancreatic cancer
- Pathways in cancer
- Prostate cancer

- Small cell lung cancer
- T cell receptor signaling pathway
- Toll-like receptor signaling pathway
- Type II diabetes mellitus

Disease

- Abortion
- Acquired Immunodeficiency Syndrome
- Acute Disease
- Adenocarcinoma
- Aggressive Periodontitis
- Alveolar Bone Loss
- Alzheimer disease
- Amphetamine-Related Disorders
- Amyloidosis
- Anemia
- Arteriosclerosis
- Arthritis
- Arthritis
- Aspergillosis
- Asthma
- Asthma
- Atherosclerosis
- Autoimmune Diseases
- Behcet Syndrome
- Brain Infarction

- Breast Neoplasms
- Bronchiolitis
- Bronchiolitis
- Calcinosis
- Carcinoma
- Cardiovascular Diseases
- Chorioamnionitis
- Chronic Disease
- Chronic Periodontitis
- Colitis
- Colonic Neoplasms
- Connective Tissue Diseases
- Constriction
- Coronary Artery Disease
- Crohn Disease
- Cystic fibrosis
- Diabetes Complications
- Diabetes Mellitus
- Diabetic Nephropathies
- Diarrhea
- Disease Models
- Disease Progression
- Disease Susceptibility
- Disease Susceptibility
- Ductus Arteriosus
- Edema

- Endometriosis
- Esophageal Neoplasms
- Esophagitis
- Familial Mediterranean fever
- Fetal Diseases
- Fetal Membranes
- Genetic Predisposition to Disease
- Genetic Predisposition to Disease
- Glaucoma
- Graft vs Host Disease
- Heart Defects
- Hematologic Diseases
- Hematologic Diseases
- Hepatitis
- Hepatitis C
- Hepatitis C
- HIV Infections
- HIV Seropositivity
- Hodgkin Disease
- HTLV-I Infections
- Hypercholesterolemia
- Hypergammaglobulinemia
- Ileitis
- Infant
- Infant
- Infection

- Inflammation
- Inflammation
- Inflammatory Bowel Diseases
- Irritable Bowel Syndrome
- Leukemia-Lymphoma
- Liver Cirrhosis
- Lung Diseases
- Lung Neoplasms
- Lupus Erythematosus
- Lymphoma
- Lymphoma
- Lymphoproliferative Disorders
- Lymphoproliferative Disorders
- Measles
- Metabolic Syndrome X
- Mouth Neoplasms
- Multiple Myeloma
- Multiple Myeloma
- Multiple Sclerosis
- Mumps
- Musculoskeletal Diseases
- Myocardial Infarction
- Narcolepsy
- Neoplasms
- Obesity
- Obstetric Labor

- Occupational Diseases
- Occupational Diseases
- Osteoarthritis
- Osteoporosis
- Pain
- Paraparesis
- Paratyphoid Fever
- Parkinson disease
- Pericarditis
- Periodontal Attachment Loss
- Periodontal Pocket
- Periodontitis
- Pre-Eclampsia
- Pregnancy Complications
- Premature Birth
- Psychiatric Status Rating Scales
- Pulmonary Disease
- Pulmonary Emphysema
- Radiation Injuries
- Radiation Pneumonitis
- Rectal Neoplasms
- Recurrence
- Respiratory Syncytial Virus Infections
- Respiratory Syncytial Virus Infections
- Rheumatic Diseases
- Rubella

- Schizophrenia
- Sepsis
- Shock
- Skin Diseases
- Spondylitis
- Stomach Neoplasms
- Stomatitis
- Syndrome
- Thyroid Neoplasms
- Thyroiditis
- Tuberculosis
- Typhoid Fever
- Urinary Bladder Neoplasms
- Uveitis
- Venous Thrombosis
- Viremia
- Waldenstrom Macroglobulinemia
- Weight Gain
- Werner syndrome
- Werner syndrome