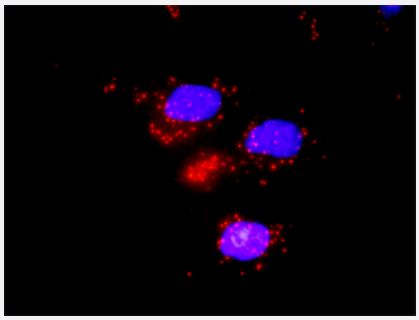
IL6 & ZBTB16 Protein Protein Interaction Antibody Pair

Catalog # DI0512 Size 1 Set

Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between IL6 and ZBTB16. HeLa cells were stained with anti-IL6 rabbit purified polyclonal antibody 1:1200 and anti-ZBTB16 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 IL6 protein, and the other against the ZBTB16 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 IL6 and ZBTB16. HeLa cells were stained with anti-IL6 rabbit purified polyclonal antibody 1:1200 and anti-ZBTB16 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 Products	Antibody pair set content: 1. IL6 rabbit purified polyclonal antibody (100 ug) 2. ZBTB16 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

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- *In situ* Proximity Ligation Assay (Cell)

Gene Info — IL6

Entrez GeneID	3569
Gene Name	IL6
Gene Alias	BSF2, HGF, HSF, IFNB2, IL-6
Gene Description	interleukin 6 (interferon, beta 2)
Omim ID	147620 148000 166710
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a cytokine that functions in inflammation and the maturation of B cells. The pro tein is primarily produced at sites of acute and chronic inflammation, where it is secreted into the serum and induces a transcriptional inflammatory response through interleukin 6 receptor, alpha. The functioning of this gene is implicated in a wide variety of inflammation-associated disease st ates, including suspectibility to diabetes mellitus and systemic juvenile rheumatoid arthritis. [provi ded by RefSeq
Other Designations	interleukin 6

Gene Info — ZBTB16

Entrez GeneID	7704
Gene Name	ZBTB16
Gene Alias	PLZF, ZNF145
Gene Description	zinc finger and BTB domain containing 16
Omim ID	176797
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the Krueppel C2H2-type zinc-finger protein family and encodes a zinc fi nger transcription factor that contains nine Kruppel-type zinc finger domains at the carboxyl termin us. This protein is located in the nucleus, is involved in cell cycle progression, and interacts with a histone deacetylase. Specific instances of aberrant gene rearrangement at this locus have been associated with acute promyelocytic leukemia (APL). Alternate transcriptional splice variants hav e been characterized. [provided by RefSeq

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Other Designations	Kruppel-like zinc finger protein|promyelocytic leukemia zinc finger protein|zinc finger protein 145 (Kruppel-like, expressed in promyelocytic leukemia)

Pathway

- Acute myeloid leukemia
- Cytokine-cytokine receptor interaction
- Graft-versus-host disease
- Hematopoietic cell lineage
- Hypertrophic cardiomyopathy (HCM)
- Jak-STAT signaling pathway
- Pathways in cancer
- Pathways in cancer
- Prion diseases
- Toll-like receptor signaling pathway

Disease

- Abortion
- Abscess
- Acquired Immunodeficiency Syndrome
- Acute Disease
- Acute Lung Injury
- Acute-Phase Reaction
- Adenocarcinoma
- Adenoma
- Adenomatous Polyps
- Aggressive Periodontitis

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- AIDS-Related Opportunistic Infections
- Alcoholism
- Alphavirus Infections
- Alveolar Bone Loss
- Alveolitis
- Alzheimer disease
- Amnesia
- Amyloidosis
- Anemia
- Aneurysm
- Angina
- Angina Pectoris
- Anorexia
- Anorexia Nervosa
- Aortic Aneurysm
- Aortic Rupture
- Appendicitis
- Appetite
- Arterial Occlusive Diseases
- Arteriosclerosis
- Arthralgia
- Arthritis
- Aspergillosis
- Asphyxia Neonatorum
- Asthma
- Atherosclerosis

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- Atrial Fibrillation
- Attention
- Attention Deficit Disorder with Hyperactivity
- Autoimmune Diseases
- Bacteremia
- Bacterial Infections
- Barrett Esophagus
- Behcet Syndrome
- Biliary Tract Neoplasms
- Bipolar Disorder
- Birth Weight
- Blood Coagulation Disorders
- Blood Loss
- Body Weight
- Bone Diseases
- Bone Marrow Diseases
- Bone Resorption
- Brain Infarction
- Brain Ischemia
- Brain Neoplasms
- Breast cancer
- Breast Neoplasms
- Bronchiolitis
- Bronchiolitis Obliterans
- Bronchitis
- Bronchopneumonia

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- Brucellosis
- Bulimia
- Burns
- Cachexia
- Cadaver
- Calcinosis
- Carcinoma
- Cardiovascular Diseases
- Cardiovascular Diseases
- Carotid Artery Diseases
- Carotid Stenosis
- Celiac Disease
- Cerebral Hemorrhage
- Cerebral Infarction
- Cerebral Palsy
- Cerebrovascular Accident
- Cervical Intraepithelial Neoplasia
- Chagas Cardiomyopathy
- Chagas Disease
- Chlamydia Infections
- Chorioamnionitis
- Choroidal Neovascularization
- Chronic Disease
- Chronic Periodontitis
- Cognition

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- Cognition Disorders
- Colitis
- Colon cancer
- Colonic Neoplasms
- Colonic Polyps
- Colorectal Neoplasms
- Common Cold
- Common Variable Immunodeficiency
- Communicable Diseases
- Community-Acquired Infections
- Connective Tissue Diseases
- Constriction
- Corneal Diseases
- Coronary Artery Disease
- Coronary Disease
- Coronary Stenosis
- Coronary Thrombosis
- Coronary Vasospasm
- Critical Illness
- Crohn Disease
- Cystadenocarcinoma
- Cystic fibrosis
- Cytomegalovirus Infections
- Cytomegalovirus Retinitis
- Delayed Graft Function
- Dementia

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- Dengue Hemorrhagic Fever
- Dental Plaque
- Depressive Disorder
- Dermatitis
- Developmental Disabilities
- Diabetes
- Diabetes Complications
- Diabetes Mellitus
- Diabetes Mellitus
- Diabetic Angiopathies
- Diabetic Nephropathies
- Diabetic Retinopathy
- Discrimination (Psychology)
- Disease Models
- Disease Progression
- Disease Susceptibility
- Diseases in Twins
- Ductus Arteriosus
- Duodenal Ulcer
- Dyslipidemias
- Eclampsia
- Edema
- Edema
- Embryo Loss
- Encephalitis
- Encephalomyelitis

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- Endometriosis
- Endotoxemia
- Enterocolitis
- Epilepsy
- Epstein-Barr Virus Infections
- Erythema Nodosum
- Esophageal Neoplasms
- Esophagitis
- Familial Mediterranean fever
- Fatigue
- Fatigue Syndrome
- Fatty Liver
- Femoral Neck Fractures
- Fetal Death
- Fetal Diseases
- Fetal Growth Retardation
- Fetal Membranes
- Fever
- Fractures
- Gallbladder Neoplasms
- Gastritis
- Gastroenteritis
- Gastrointestinal Diseases
- Gastrointestinal Neoplasms
- Gaucher disease
- Genetic Predisposition to Disease

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- Gingival Hemorrhage
- Gingival Overgrowth
- Gingivitis
- Glioma
- Glomerulonephritis
- Glomerulosclerosis
- Glossitis
- Glucose Intolerance
- Glucose Metabolism Disorders
- Glucosephosphate Dehydrogenase Deficiency
- Gout
- Graft vs Host Disease
- Gram-Negative Bacterial Infections
- Graves Disease
- Hashimoto Disease
- Heart Defects
- Heart Valve Diseases
- Helicobacter Infections
- Hematologic Diseases
- Hematologic Neoplasms
- Hematuria
- Hemochromatosis
- Hemorrhage
- Hepatitis
- Hepatitis B
- Hepatitis C

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- Hernia
- Herpesviridae Infections
- Hip Fractures
- HIV Infections
- HIV-Associated Lipodystrophy Syndrome
- Hodgkin Disease
- HTLV-I Infections
- Hyperandrogenism
- Hypercholesterolemia
- Hyperglycemia
- Hyperinsulinism
- Hyperlipidemias
- Hypersensitivity
- Hypertension
- Hypertrophy
- Hyperuricemia
- Hypoxia-Ischemia
- Idiopathic Pulmonary Fibrosis
- IgA Deficiency
- Infant
- Infection
- Infectious Mononucleosis
- Infertility
- Inflammation
- Inflammatory Bowel Diseases
- Influenza

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- Insulin Resistance
- Intelligence Tests
- Intervertebral Disk Displacement
- Intracranial Aneurysm
- Intracranial Arteriosclerosis
- Intracranial Arteriovenous Malformations
- Intracranial Hemorrhages
- Intracranial Thrombosis
- Irritable Bowel Syndrome
- Ischemic Attack
- Joint Diseases
- Kidney Diseases
- Kidney Failure
- Kidney Neoplasms
- Leiomyoma
- Leishmaniasis
- Leprosy
- Leptospirosis
- Leukemia
- Leukemia
- Leukomalacia
- Lichen Planus
- Lipodystrophy
- Liver Cirrhosis
- Liver Diseases
- Liver Neoplasms

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- Lung Diseases
- Lung Neoplasms
- Lupus Erythematosus
- Lymphatic Metastasis
- Lymphoma
- Lymphoproliferative Disorders
- Macular Degeneration
- Macular Edema
- Malaria
- Malignant melanoma
- Malnutrition
- Measles
- Melanoma
- Memory
- Mental Disorders
- Mental Processes
- Mental Retardation
- Metabolic Diseases
- Metabolic Syndrome X
- Metaplasia
- Microsatellite Instability
- Migraine Disorders
- Migraine with Aura
- Migraine without Aura
- Mood Disorders
- Mouth Neoplasms

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- Mucocutaneous Lymph Node Syndrome
- Multiple Myeloma
- Multiple Organ Failure
- Multiple Sclerosis
- Multiple System Atrophy
- Multiple Trauma
- Mumps
- Musculoskeletal Diseases
- Mycobacterium avium-intracellulare Infection
- Myelodysplastic Syndromes
- Myocardial Infarction
- Myocardial Ischemia
- Myocardial Reperfusion Injury
- Nasal Polyps
- Neoplasm Invasiveness
- Neoplasm Metastasis
- Neoplasm Recurrence
- Neoplasms
- Nephrotic Syndrome
- Nervous System Diseases
- Nervous System Neoplasms
- Neuroblastoma
- Neuroendocrine Tumors
- Neuropsychological Tests
- Neutropenia

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- Obesity
- Obstetric Labor
- Occupational Diseases
- Osteoarthritis
- Osteolysis
- Osteomyelitis
- Osteoporosis
- Osteosarcoma
- Otitis Media
- Ovarian cancer
- Ovarian Cysts
- Ovarian Failure
- Ovarian Neoplasms
- Pain
- Pain Threshold
- Pancreatic cancer
- Pancreatic Neoplasms
- Pancreatitis
- Papillomavirus Infections
- Paraparesis
- Paraproteinemias
- Parasitic Diseases
- Parkinson disease
- Parvoviridae Infections
- Pelvic Pain
- Pemphigoid

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- Pemphigus
- Peptic Ulcer
- Periapical Periodontitis
- Periodontal Attachment Loss
- Periodontal Diseases
- Periodontal Pocket
- Periodontitis
- Peripheral Vascular Diseases
- Peritoneal Neoplasms
- Picornaviridae Infections
- Plasmacytoma
- Pneumoconiosis
- Pneumonia
- Polycystic kidney disease
- Polycystic Ovary Syndrome
- Polymyalgia Rheumatica
- Postoperative Complications
- Postoperative Hemorrhage
- Precancerous Conditions
- Pre-Eclampsia
- Pregnancy Complications
- Premature Birth
- Prostate cancer
- Prostatic Hyperplasia
- Prostatic Neoplasms
- Prostatitis

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- Prosthesis Failure
- Prosthesis-Related Infections
- Proteinuria
- Psoriasis
- Psychiatric Status Rating Scales
- Psychomotor Performance
- Puberty
- Puerperal Disorders
- Pulmonary Disease
- Pulmonary Embolism
- Pulmonary Fibrosis
- Purpura
- Pyelonephritis
- Q Fever
- Radiation Injuries
- Radiation Pneumonitis
- Radius Fractures
- Rectal Neoplasms
- Recurrence
- Reflex Sympathetic Dystrophy
- Renal Artery Obstruction
- Reperfusion Injury
- Respiratory Distress Syndrome
- Respiratory Syncytial Virus Infections
- Respiratory Tract Infections
- Retinal Artery Occlusion

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- Retinal Detachment
- Retinal Vein Occlusion
- Rhabdomyolysis
- Rheumatic Heart Disease
- Rhinitis
- Rubella
- Rupture
- Salmonella Infections
- Sarcoidosis
- Sarcoma
- Schizophrenia
- Sciatica
- Scleroderma
- Scoliosis
- Seizures
- Sepsis
- Severe Acute Respiratory Syndrome
- Shock
- Skin Diseases
- Skin Neoplasms
- Skin Ulcer
- Sleep Apnea
- Sleep Disorders
- Spinal Cord Diseases
- Spinal Diseases
- Spinal Fractures

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- Spondylitis
- Stomach Neoplasms
- Stomach Ulcer
- Stomatitis
- Streptococcal Infections
- Stress
- Stroke
- Subarachnoid Hemorrhage
- Substance Withdrawal Syndrome
- Sudden Infant Death
- Syndrome
- Systemic Inflammatory Response Syndrome
- Temporal Arteritis
- Thinness
- Thoracic Neoplasms
- Thrombophilia
- Thrombosis
- Thyroid Neoplasms
- Thyroiditis
- Tobacco Use Disorder
- Tobacco Use Disorder
- Tooth Diseases
- Tooth Loss
- Trachoma
- Trypanosomiasis
- Tuberculosis

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- Urinary Bladder Neoplasms
- Urinary Tract Infections
- Uterine Cervical Neoplasms
- Uterine Diseases
- Uterine Neoplasms
- Uveitis
- Vaginal Diseases
- Vaginosis
- Vascular Diseases
- Venous Thrombosis
- Vitreoretinopathy
- Vulvar Neoplasms
- Waldenstrom Macroglobulinemia
- Weight Gain
- Weight Loss
- Werner syndrome
- Wounds and Injuries

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