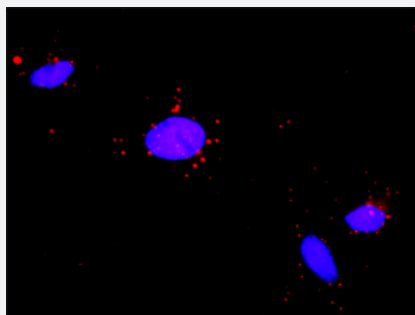


FYN & CTLA4 Protein Protein Interaction Antibody Pair

Catalog # DI0137

Size 1 Set

Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between FYN and CTLA4. HeLa cells were stained with anti-FYN rabbit purified polyclonal antibody 1:1200 and anti-CTLA4 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 FYN protein, and the other against the CTLA4 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 FYN and CTLA4. HeLa cells were stained with anti-FYN rabbit purified polyclonal antibody 1:1200 and anti-CTLA4 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. FYN rabbit purified polyclonal antibody (100 ug)
2. CTLA4 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 — CTLA4

Entrez GeneID	1493
Gene Name	CTLA4
Gene Alias	CD152, CELIAC3, CTLA-4, GSE, IDDM12
Gene Description	cytotoxic T-lymphocyte-associated protein 4
Omim ID	123890 140300 275000 601388 609755
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the immunoglobulin superfamily and encodes a protein which transmits an inhibitory signal to T cells. The protein contains a V domain, a transmembrane domain, and a cytoplasmic tail. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. The membrane-bound isoform functions as a homodimer interconnected by a disulfide bond, while the soluble isoform functions as a monomer. Mutations in this gene have been associated with insulin-dependent diabetes mellitus, Graves disease, Hashimoto thyroiditis, celiac disease, systemic lupus erythematosus, thyroid-associated orbitopathy, and other autoimmune diseases. [provided by RefSeq]
Other Designations	OTTHUMP00000163781 cytotoxic T-lymphocyte-associated antigen 4 cytotoxic T-lymphocyte-associated serine esterase-4 ligand and transmembrane spliced cytotoxic T lymphocyte associated antigen 4

Gene Info — FYN

Entrez GeneID	2534
Gene Name	FYN
Gene Alias	MGC45350, SLK, SYN
Gene Description	FYN oncogene related to SRC, FGR, YES
Omim ID	137025
Gene Ontology	Hyperlink

Gene Summary

This gene is a member of the protein-tyrosine kinase oncogene family. It encodes a membrane-associated tyrosine kinase that has been implicated in the control of cell growth. The protein associates with the p85 subunit of phosphatidylinositol 3-kinase and interacts with the fyn-binding protein. Alternatively spliced transcript variants encoding distinct isoforms exist. [provided by RefSeq]

Other Designations

OKT3-induced calcium influx regulator|OTTHUMP00000017914|OTTHUMP00000017915|OTTHUMP00000017917|c-syn protooncogene|protein-tyrosine kinase fyn|proto-oncogene tyrosine-protein kinase fyn|src-like kinase|src/yes-related novel|tyrosine kinase p59fyn(T)

Pathway

- [Adherens junction](#)
- [Autoimmune thyroid disease](#)
- [Axon guidance](#)
- [Cell adhesion molecules \(CAMs\)](#)
- [Fc epsilon RI signaling pathway](#)
- [Focal adhesion](#)
- [Natural killer cell mediated cytotoxicity](#)
- [Pathogenic Escherichia coli infection - EHEC](#)
- [Prion diseases](#)
- [T cell receptor signaling pathway](#)
- [T cell receptor signaling pathway](#)

Disease

- [Abortion](#)
- [Abruptio Placentae](#)
- [Acquired Immunodeficiency Syndrome](#)
- [Acute Disease](#)
- [Addison Disease](#)
- [Adenocarcinoma](#)

- [Adenocarcinoma](#)
- [Adenoma](#)
- [Alcoholism](#)
- [Alcoholism](#)
- [Alopecia Areata](#)
- [Alzheimer disease](#)
- [Anemia](#)
- [Arthritis](#)
- [Asthma](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Autoimmune Diseases](#)
- [Autoimmune polyglandular syndrome](#)
- [Behcet Syndrome](#)
- [Bipolar Disorder](#)
- [Bipolar Disorder](#)
- [Brain Ischemia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchial Hyperreactivity](#)
- [Bronchiolitis](#)
- [Bronchitis](#)
- [Calcinosis](#)
- [Calculi](#)
- [Carcinoma](#)
- [Cardiomyopathy](#)

- [Cardiovascular Diseases](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Chagas Disease](#)
- [Chlamydia Infections](#)
- [Cholangitis](#)
- [Choriocarcinoma](#)
- [Chronic Disease](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colitis](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Common Variable Immunodeficiency](#)
- [Communicable Diseases](#)
- [Connective Tissue Diseases](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Crohn Disease](#)
- [Deltaretrovirus Infections](#)
- [Dengue](#)
- [Dengue Hemorrhagic Fever](#)
- [Depressive Disorder](#)
- [Dermatitis](#)
- [Diabetes Complications](#)

- [Diabetes Mellitus](#)
- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
- [Diabetic Ketoacidosis](#)
- [Diabetic Nephropathies](#)
- [Diabetic Neuropathies](#)
- [Diabetic Retinopathy](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Disorders of Excessive Somnolence](#)
- [Drug Eruptions](#)
- [Eczema](#)
- [Edema](#)
- [Edema](#)
- [Endocrine System Diseases](#)
- [Endometriosis](#)
- [Eosinophilia](#)
- [Epstein-Barr Virus Infections](#)
- [Erythema Nodosum](#)
- [Esophageal Neoplasms](#)
- [Eye Diseases](#)
- [Fatty Liver](#)
- [Fetal Diseases](#)
- [Gender Identity](#)
- [Genetic Predisposition to Disease](#)
- [Genetic Predisposition to Disease](#)

- [Graft vs Host Disease](#)
- [Graves Disease](#)
- [Graves Ophthalmopathy](#)
- [Hashimoto Disease](#)
- [Helicobacter Infections](#)
- [Hemophilia A](#)
- [Hepatitis](#)
- [Hepatitis B](#)
- [Hepatitis C](#)
- [HIV Infections](#)
- [HIV Infections](#)
- [Hydatidiform Mole](#)
- [Hypersensitivity](#)
- [Hypertension](#)
- [Hypertension](#)
- [Hypoparathyroidism](#)
- [Hypothyroidism](#)
- [IgA Deficiency](#)
- [Infant](#)
- [Infection](#)
- [Inflammation](#)
- [Inflammatory Bowel Diseases](#)
- [Iridocyclitis](#)
- [Kidney Failure](#)
- [Kidney Neoplasms](#)
- [Leg Dermatoses](#)

- [Leishmaniasis](#)
- [Leukemia](#)
- [Liver Cirrhosis](#)
- [Liver Diseases](#)
- [Liver Neoplasms](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Lupus Erythematosus](#)
- [Lymphocytosis](#)
- [Lymphohistiocytosis](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Malignant melanoma](#)
- [Melanoma](#)
- [Meniere Disease](#)
- [Migraine Disorders](#)
- [Migraine with Aura](#)
- [Migraine without Aura](#)
- [Mouth Neoplasms](#)
- [Multiple Myeloma](#)
- [Multiple Sclerosis](#)
- [Musculoskeletal Diseases](#)
- [Myasthenia Gravis](#)
- [Myocardial Infarction](#)
- [Myxedema](#)

- [Nasopharyngeal Neoplasms](#)
- [Neoplasm Metastasis](#)
- [Neoplasms](#)
- [Neuropsychological Tests](#)
- [Obesity](#)
- [Oral Submucous Fibrosis](#)
- [Osteoporosis](#)
- [Pancreatic Neoplasms](#)
- [Pancreatitis](#)
- [Papillomavirus Infections](#)
- [Paraproteinemias](#)
- [Parkinson disease](#)
- [Pemphigus](#)
- [Periodontitis](#)
- [Polyendocrinopathies](#)
- [Polyradiculoneuropathy](#)
- [Postpartum Thyroiditis](#)
- [Prediabetic State](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Prenatal Exposure Delayed Effects](#)
- [Proteinuria](#)
- [Psoriasis](#)
- [Pulmonary Disease](#)
- [Pulmonary Fibrosis](#)
- [Purpura](#)

- [Recurrence](#)
- [Respiratory Syncytial Virus Infections](#)
- [Rheumatic Heart Disease](#)
- [Rhinitis](#)
- [Sarcoidosis](#)
- [Schizophrenia](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Scleroderma](#)
- [Skin Diseases](#)
- [Skin Neoplasms](#)
- [Spondylarthropathies](#)
- [Spondylitis](#)
- [Stomach Neoplasms](#)
- [Stroke](#)
- [Sunburn](#)
- [Thymoma](#)
- [Thymus Hyperplasia](#)
- [Thymus Neoplasms](#)
- [Thyroid Diseases](#)
- [Thyroiditis](#)
- [Tooth Abnormalities](#)
- [Trachoma](#)
- [Tuberculosis](#)
- [Urinary Bladder Neoplasms](#)
- [Urologic Diseases](#)

- [Uterine Cervical Neoplasms](#)
- [Uveitis](#)
- [Uveomeningoencephalitic Syndrome](#)
- [Vasculitis](#)
- [Vitiligo](#)
- [Wegener Granulomatosis](#)
- [Werner syndrome](#)