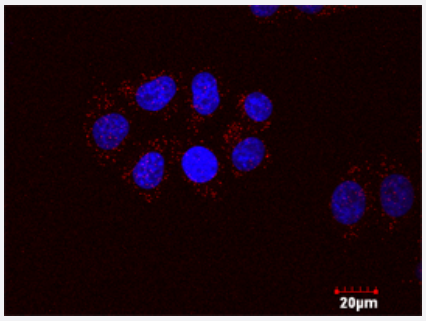
FYN & CTNNB1 Protein Protein Interaction Antibody Pair

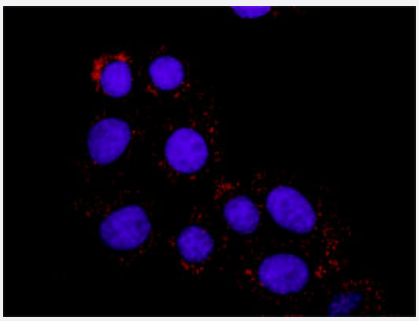
Catalog # DI0125 Size 1 Set

Applications



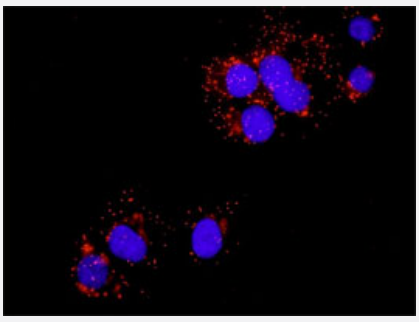
In situ Proximity Ligation Assay (Cell)

Confocal microscopy image of Proximity Ligation Assay of protein-protein interactions between FYN and CTNNB1. HT-29 cells were stained with anti-FYN rabbit purified polyclonal antibody 1:100 and anti-CTNNB1 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



In situ Proximity Ligation Assay (Cell)

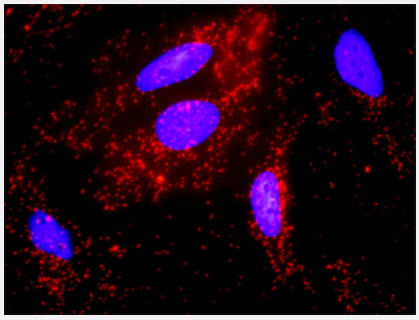
Representative image of Proximity Ligation Assay of protein-protein interactions between FYN and CTNNB1. HT-29 cells were stained with anti-FYN rabbit purified polyclonal antibody 1:100 and anti-CTNNB1 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



In situ Proximity Ligation Assay (Cell)

Representative image of Proximity Ligation Assay of protein-protein interactions between FYN and CTNNB1. A-549 cells were stained with anti-FYN rabbit purified polyclonal antibody 1:100 and anti-CTNNB1 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Copyright © 2023 Abnova Corporation. All Rights Reserved.



Representative image of Proximity Ligation Assay of protein-protein interactions between FYN and CTNNB1. HeLa cells were stained with anti-FYN rabbit purified polyclonal antibody 1:1200 and anti-CTNNB1 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 CTNNB1 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 CTNNB1. HeLa cells were stained with anti-FYN rabbit purified polyclonal antibody 1:1200 and anti-CTNNB1 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. FYN rabbit purified polyclonal antibody (100 ug) 2. CTNNB1 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)

  Confocal microscopy image of Proximity Ligation Assay of protein-protein interactions between FYN and CTNNB1. HT-29 cells were stained with anti-FYN rabbit purified polyclonal antibody 1:100 and anti-CTNNB1 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

- *In situ* Proximity Ligation Assay (Cell)

  Representative image of Proximity Ligation Assay of protein-protein interactions between FYN and CTNNB1. HT-29 cells were stained with anti-FYN rabbit purified polyclonal antibody 1:100 and anti-CTNNB1 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- *In situ* Proximity Ligation Assay (Cell)

  Representative image of Proximity Ligation Assay of protein-protein interactions between FYN and CTNNB1. A-549 cells were stained with anti-FYN rabbit purified polyclonal antibody 1:100 and anti-CTNNB1 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Gene Info — CTNNB1

Entrez GeneID	1499
Gene Name	CTNNB1
Gene Alias	CTNNB, DKFZp686D02253, FLJ25606, FLJ37923
Gene Description	catenin (cadherin-associated protein), beta 1, 88kDa
Omim ID	114550 116806 132600 155255
Gene Ontology	Hyperlink
Gene Summary	Beta-catenin is an adherens junction protein. Adherens junctions (AJs; also called the zonula adh erens) are critical for the establishment and maintenance of epithelial layers, such as those lining organ surfaces. AJs mediate adhesion between cells, communicate a signal that neighboring cell s are present, and anchor the actin cytoskeleton. In serving these roles, AJs regulate normal cell g rowth and behavior. At several stages of embryogenesis, wound healing, and tumor cell metastasi s, cells form and leave epithelia. This process, which involves the disruption and reestablishment of epithelial cell-cell contacts, may be regulated by the disassembly and assembly of AJs. AJs ma y also function in the transmission of the 'contact inhibition' signal, which instructs cells to stop divi ding once an epithelial sheet is complete.[supplied by OMIM
Other Designations	OTTHUMP00000165222|OTTHUMP00000165223|catenin (cadherin-associated protein), beta 1 (88kD)|catenin beta-1

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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

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
- Adherens junction
- Arrhythmogenic right ventricular cardiomyopathy (ARVC)
- Axon guidance
- Basal cell carcinoma
- Colorectal cancer
- Endometrial cancer
- Fc epsilon RI signaling pathway
- Focal adhesion
- Focal adhesion
- Leukocyte transendothelial migration
- Melanogenesis
- Natural killer cell mediated cytotoxicity
- Pathogenic Escherichia coli infection - EHEC
- Pathogenic Escherichia coli infection - EHEC
- Pathways in cancer
- Prion diseases
- Prostate cancer
- T cell receptor signaling pathway

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Thyroid cancer
- Tight junction
- Wnt signaling pathway

Disease

- Adenocarcinoma
- Adenoma
- Adrenal Cortex Neoplasms
- Alcoholism
- Alzheimer disease
- Alzheimer disease
- Asthma
- Bipolar Disorder
- Birth Weight
- Breast cancer
- Breast Neoplasms
- Carcinoma
- Cardiovascular Diseases
- Cardiovascular Diseases
- Cell Transformation
- Chromosome Aberrations
- Chromosome Deletion
- Cleft Lip
- Cleft Lip
- Cleft Palate
- Cleft Palate

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Cognition
- Colon cancer
- Colorectal Neoplasms
- Diabetes Mellitus
- Diabetes Mellitus
- Edema
- Edema
- Endometrial Neoplasms
- Ependymoma
- Esophageal Neoplasms
- Fibroma
- Fibromatosis
- Fractures
- Genetic Predisposition to Disease
- Genetic Predisposition to Disease
- Glioblastoma
- Glioma
- Head and Neck Neoplasms
- HIV Infections
- Hypertension
- Kidney Failure
- Kidney Neoplasms
- Laryngeal Neoplasms
- Leukemia
- Liver Neoplasms
- Lung Neoplasms

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Lupus Erythematosus
- Meningeal Neoplasms
- Meningioma
- Microsatellite Instability
- Mouth Neoplasms
- Neoplasm Recurrence
- Neoplasms
- Neuropsychological Tests
- Obesity
- Osteoporosis
- Ovarian cancer
- Ovarian Neoplasms
- Pancreatic cancer
- Pancreatic Neoplasms
- Pancreatic Neoplasms
- Parkinson disease
- Pharyngeal Neoplasms
- Prostatic Neoplasms
- Pulmonary Disease
- Recurrence
- Schizophrenia
- Schizophrenic Psychology
- Spinal Fractures
- Stomach Neoplasms
- Tooth Abnormalities
- Urinary Bladder Neoplasms

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Werner syndrome
- Wilms Tumor

Copyright © 2023 Abnova Corporation. All Rights Reserved.