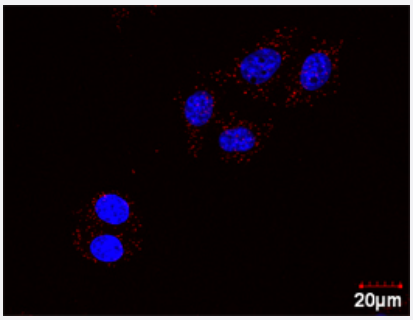
PDGFRB & CRKL Protein Protein Interaction Antibody Pair

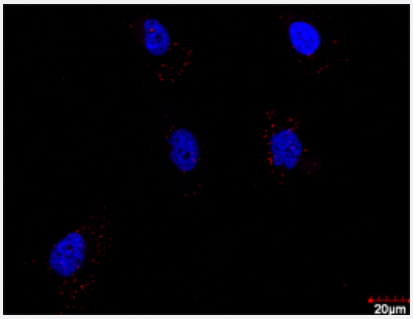
Catalog # DI0392 Size 1 Set

Applications



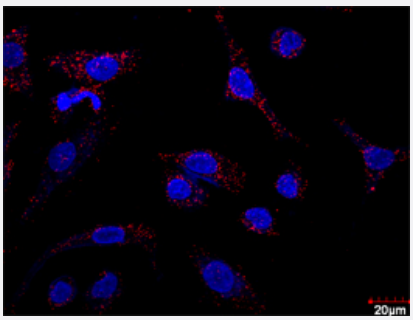
In situ Proximity Ligation Assay (Cell)

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



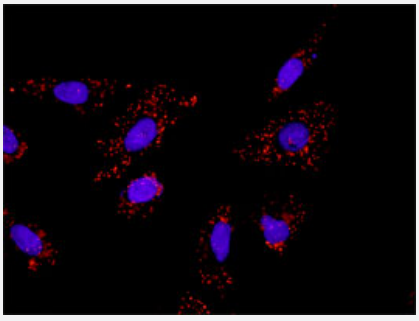
In situ Proximity Ligation Assay (Cell)

Confocal microscopy image of Proximity Ligation Assay of protein-protein interactions between PDGFRB and CRKL. PC-3 cells were stained with anti-PDGFRB rabbit purified polyclonal antibody 1:100 and anti-CRKL 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)

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

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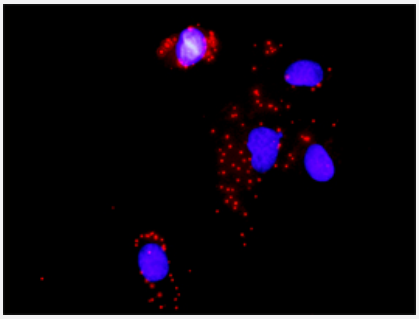
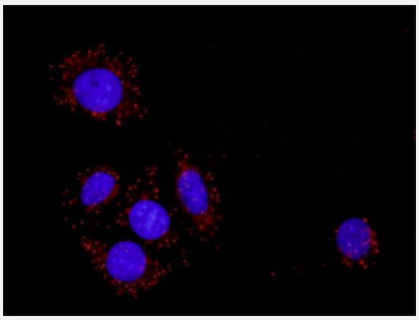


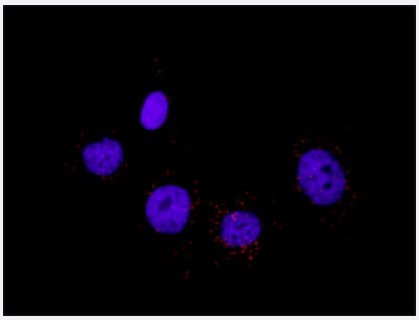
In situ Proximity Ligation Assay (Cell)

Representative image of Proximity Ligation Assay of protein-protein interactions between PDGFRB and CRKL. Mahlavu cells were stained with anti-PDGFRB rabbit purified polyclonal antibody 1:1200 and anti-CRKL mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



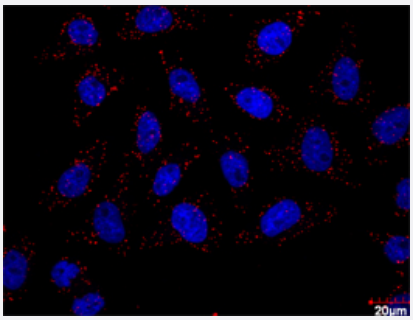
In situ Proximity Ligation Assay (Cell)

Representative image of Proximity Ligation Assay of protein-protein interactions between PDGFRB and CRKL. HT-29 cells were stained with anti-PDGFRB rabbit purified polyclonal antibody 1:100 and anti-CRKL 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 PDGFRB and CRKL. PC-3 cells were stained with anti-PDGFRB rabbit purified polyclonal antibody 1:100 and anti-CRKL mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



Representative image of Proximity Ligation Analysis of protein-protein interactions between PDGFRB and CRKL. HeLa cells were stained with anti-PDGFRB rabbit purified polyclonal antibody 1:100 and anti-CRKL 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 PDGFRB protein, and the other against the CRKL protein for use in *in situ* Proximity Ligation Assay. See Publication Reference below.
Reactivity	Human

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Quality Control Testing	Protein protein interaction immunofluorescence result. Representative image of Proximity Ligation Analysis of protein-protein interactions between PDGFR B and CRKL. HeLa cells were stained with anti-PDGFRB rabbit purified polyclonal antibody 1:100 a nd anti-CRKL mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-pro tein interaction complex. The images were analyzed using an optimized freeware (BlobFinder) downl oad from The Centre for Image Analysis at Uppsala University.
Supplied Products	Antibody pair set content: 1. PDGFRB rabbit purified polyclonal antibody (100 ug) 2. CRKL 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 tha w 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 PDGFRB and CRKL. HT-29 cells were stained with anti-PDGFRB rabbit purified polyclonal antibody 1:100 and anti-CRKL mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

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Gene Info — CRKL

Entrez GeneID	1399
Gene Name	CRKL
Gene Alias	-
Gene Description	v-crk sarcoma virus CT10 oncogene homolog (avian)-like
Omim ID	602007
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein kinase containing SH2 and SH3 (src homology) domains which has been shown to activate the RAS and JUN kinase signaling pathways and transform fibroblasts in a RAS-dependent fashion. It is a substrate of the BCR-ABL tyrosine kinase, plays a role in fibroblast transformation by BCR-ABL, and may be oncogenic
Other Designations	v-crk avian sarcoma virus CT10 oncogene homolog-like

Gene Info — PDGFRB

Entrez GeneID	5159
Gene Name	PDGFRB
Gene Alias	CD140B, JTK12, PDGF-R-beta, PDGFR, PDGFR1
Gene Description	platelet-derived growth factor receptor, beta polypeptide
Omim ID	131440 173410
Gene Ontology	Hyperlink

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Gene Summary	This gene encodes a cell surface tyrosine kinase receptor for members of the platelet-derived growth factor family. These growth factors are mitogens for cells of mesenchymal origin. The identity of the growth factor bound to a receptor monomer determines whether the functional receptor is a homodimer or a heterodimer, composed of both platelet-derived growth factor receptor alpha and beta polypeptides. This gene is flanked on chromosome 5 by the genes for granulocyte-macrophage colony-stimulating factor and macrophage-colony stimulating factor receptor; all three genes may be implicated in the 5-q syndrome. A translocation between chromosomes 5 and 12, that fuses this gene to that of the translocation, ETV6, leukemia gene, results in chronic myeloproliferative disorder with eosinophilia. [provided by RefSeq
Other Designations	beta platelet-derived growth factor receptor|platelet-derived growth factor receptor beta|soluble PDGFRb variant 1

Pathway

- Calcium signaling pathway
- Chemokine signaling pathway
- Chronic myeloid leukemia
- Colorectal cancer
- Cytokine-cytokine receptor interaction
- ErbB signaling pathway
- Fc gamma R-mediated phagocytosis
- Focal adhesion
- Focal adhesion
- Gap junction
- Glioma
- Insulin signaling pathway
- MAPK signaling pathway
- MAPK signaling pathway
- Melanoma
- Neurotrophin signaling pathway
- Pathways in cancer

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- Pathways in cancer
- Prostate cancer
- Regulation of actin cytoskeleton
- Regulation of actin cytoskeleton
- Renal cell carcinoma

Disease

- Acute Disease
- Adenocarcinoma
- Alzheimer disease
- Cardiovascular Diseases
- Cardiovascular Diseases
- Diabetes Complications
- Diabetes Mellitus
- Diabetes Mellitus
- Disease Models
- Edema
- Edema
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Hyperparathyroidism
- Kidney Failure
- Leukemia
- Metabolic Syndrome X
- Neoplasms
- Osteoporosis

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- Ovarian Neoplasms
- Schizophrenia
- Subdural Effusion

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