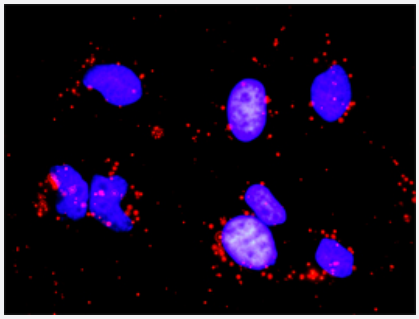
CRKL & PDGFRA Protein Protein Interaction Antibody Pair

Catalog # DI0311 Size 1 Set

Applications



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

Entrez GeneID	5156
Gene Name	PDGFRA
Gene Alias	CD140A, MGC74795, PDGFR2, Rhe-PDGFRA
Gene Description	platelet-derived growth factor receptor, alpha polypeptide
Omim ID	173490 606764 607685
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. Studies in knockout mice, where homozygosity is lethal, indicate that the alpha form of the platelet-derived growth factor receptor is particularly important for kidney development since mice heterozygous for the receptor exhibit defective kidney phenotypes. [provided by RefSeq
Other Designations	FIP1L1/PDGFRA fusion protein|platelet-derived growth factor receptor alpha|rearranged-in-hyper eosinophilia-platelet derived growth factor receptor alpha fusion protein

Pathway

- Calcium signaling pathway
- Chemokine signaling pathway
- Chronic myeloid leukemia
- Colorectal cancer
- Cytokine-cytokine receptor interaction
- Endocytosis
- 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
- Aneuploidy
- Asthma
- Brain Neoplasms
- Carcinoma
- Cardiovascular Diseases
- Cardiovascular Diseases
- Cleft Lip
- Cleft Palate
- Coronary Artery Disease
- Coronary Disease
- Diabetes Complications
- Diabetes Mellitus
- Diabetes Mellitus
- Disease Progression
- Edema
- Edema

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- Esophageal Neoplasms
- Gastrointestinal Stromal Tumors
- Genetic Predisposition to Disease
- Glioblastoma
- Hyperparathyroidism
- Leukemia
- Liver Neoplasms
- Lymphatic Metastasis
- Malignant melanoma
- Meningomyelocele
- Metabolic Syndrome X
- Neoplasm Recurrence
- Neoplasms
- Neural Tube Defects
- Osteoporosis
- Pancreatic cancer
- Pancreatic Neoplasms
- Spinal Dysraphism
- Subdural Effusion
- Tobacco Use Disorder
- Tooth Abnormalities
- Uterine Cervical Neoplasms
- Vitiligo

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