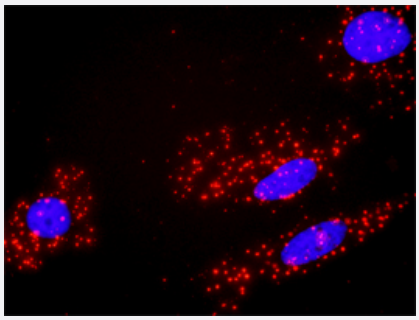
IGF1R & CRKL Protein Protein Interaction Antibody Pair

Catalog # DI0477 Size 1 Set

Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between IGF1R and CRKL. HeLa cells were stained with anti-IGF1R 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. 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 IGF1R protein, and the other against the CRKL 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 IGF1R and CRKL. HeLa cells were stained with anti-IGF1R 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. 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. IGF1R 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 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 fibrobl ast transformation by BCR-ABL, and may be oncogenic
Other Designations	v-crk avian sarcoma virus CT10 oncogene homolog-like

Gene Info — IGF1R

Entrez GeneID	3480
Gene Name	IGF1R
Gene Alias	CD221, IGFIR, JTK13, MGC142170, MGC142172, MGC18216
Gene Description	insulin-like growth factor 1 receptor
Omim ID	147370
Gene Ontology	Hyperlink
Gene Summary	This receptor binds insulin-like growth factor with a high affinity. It has tyrosine kinase activity. The insulin-like growth factor I receptor plays a critical role in transformation events. Cleavage of the pr ecursor generates alpha and beta subunits. It is highly overexpressed in most malignant tissues w here it functions as an anti-apoptotic agent by enhancing cell survival. [provided by RefSeq
Other Designations	soluble IGF1R variant 1|soluble IGF1R variant 2

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Pathway

- Adherens junction
- Chemokine signaling pathway
- Chronic myeloid leukemia
- Colorectal cancer
- Endocytosis
- ErbB signaling pathway
- Fc gamma R-mediated phagocytosis
- Focal adhesion
- Focal adhesion
- Glioma
- Insulin signaling pathway
- Long-term depression
- MAPK signaling pathway
- Melanoma
- Neurotrophin signaling pathway
- Pathways in cancer
- Pathways in cancer
- Prostate cancer
- Regulation of actin cytoskeleton
- Renal cell carcinoma

Disease

- Abortion
- Adenocarcinoma

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- Adenoma
- Alzheimer disease
- Anemia
- Aneuploidy
- Atherosclerosis
- Bacteremia
- Barrett Esophagus
- Birth Weight
- Body Weight
- Bone Diseases
- Brain Ischemia
- Brain Neoplasms
- Breast cancer
- Breast Neoplasms
- Carcinoma
- Cardiovascular Diseases
- Cardiovascular Diseases
- Chorioamnionitis
- Colon cancer
- Colonic Neoplasms
- Colonic Polyps
- Colorectal Neoplasms
- Dementia
- Diabetes Complications
- Diabetes Mellitus
- Diabetes Mellitus

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- Disease Progression
- Edema
- Edema
- Esophageal Neoplasms
- Esophagitis
- Fetal Growth Retardation
- Fetal Membranes
- Gastroesophageal Reflux
- Genetic Predisposition to Disease
- Glucose Intolerance
- Growth Disorders
- Head and Neck Neoplasms
- Hyperplasia
- Hypertension
- Insulin Resistance
- Intracranial Arteriosclerosis
- Kidney Failure
- Liver Neoplasms
- Lung Neoplasms
- Lymphoma
- Metabolic Syndrome X
- Metaplasia
- Microsatellite Instability
- Multiple Myeloma
- Neoplasms
- Obesity

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- Obstetric Labor
- Osteoporosis
- Ovarian cancer
- Ovarian Failure
- Ovarian Neoplasms
- Pancreatic Neoplasms
- Polycystic Ovary Syndrome
- Pre-Eclampsia
- Premature Birth
- Prostate cancer
- Prostatic Neoplasms
- Puberty
- Pulmonary Disease
- Recurrence
- Retinopathy of Prematurity
- Schizophrenia
- Skin Neoplasms
- Spinal Diseases
- Stomach Neoplasms
- Stroke
- Testicular Neoplasms
- Thrombophilia
- Tobacco Use Disorder
- Urinary Bladder Neoplasms
- Werner syndrome

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