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Zuschläge

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- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PDGFRB & CRKL Protein Protein Interaction Antibody Pair

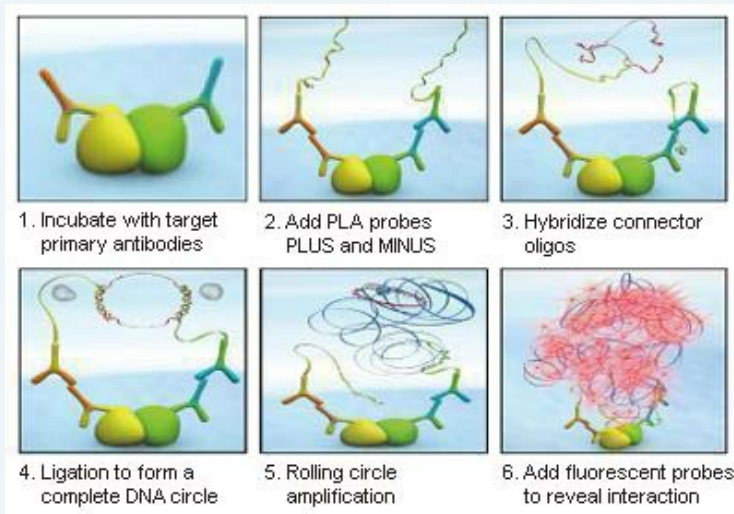
Catalog # : DI0392

規格 : [1 Set]

List All

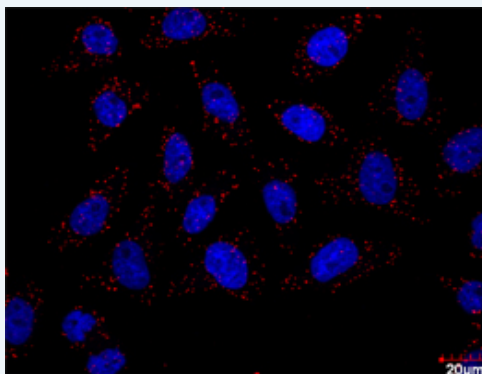
Specification

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

Quality Control Testing: Protein protein interaction immunofluorescence result.



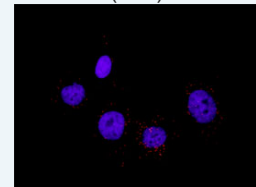
Representative image of Proximity Ligation Analysis of protein-protein interactions between PDGFRB and CRKL. HeLa cells were stained with anti-PDGFRB rabbit purified polyclonal antibody 1:100 and anti-CRKL mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex. The images were analyzed using an optimized freeware ([BlobFinder](#)) download from The Centre for Image Analysis at Uppsala University.

Supplied Product: Antibody pair set content:
 1. PDGFRB rabbit purified polyclonal antibody (20 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 -

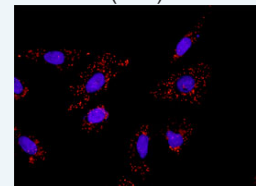
Application Image

In situ Proximity Ligation Assay (Cell)



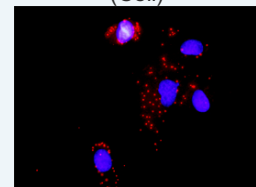
[enlarge](#)

In situ Proximity Ligation Assay (Cell)



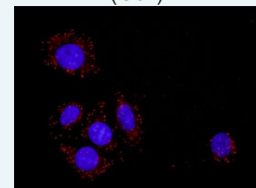
[enlarge](#)

In situ Proximity Ligation Assay (Cell)



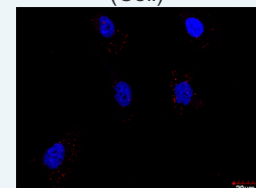
[enlarge](#)

In situ Proximity Ligation Assay (Cell)



[enlarge](#)

In situ Proximity Ligation Assay (Cell)




[enlarge](#)

In situ Proximity Ligation Assay (Cell)

20°C storage immediately after use.

MSDS:

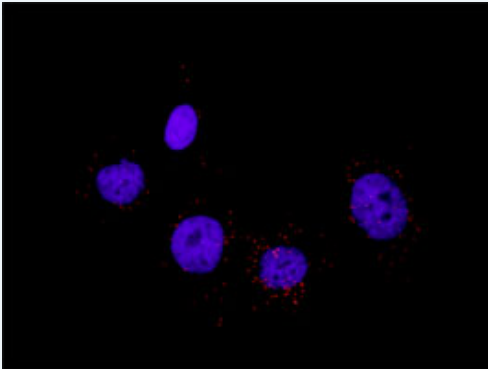
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Publication Reference

1. [An analysis of protein-protein interactions in cross-talk pathways reveals CRKL as a novel prognostic marker in hepatocellular carcinoma.](#)
Liu CH, Chen TC, Chau GY, Jan YH, Chen CH, Hsu CN, Lin KT, Juang YL, Lu PJ, Cheng HC, Chen MH, Chang CF, Ting YS, Kao CY, Hsiao M, Huang CY. *Mol Cell Proteomics*. 2013 Feb 8. [Epub ahead of print]

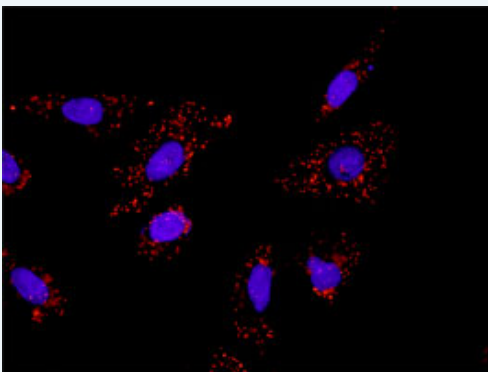
Applications

In situ Proximity Ligation Assay (Cell)



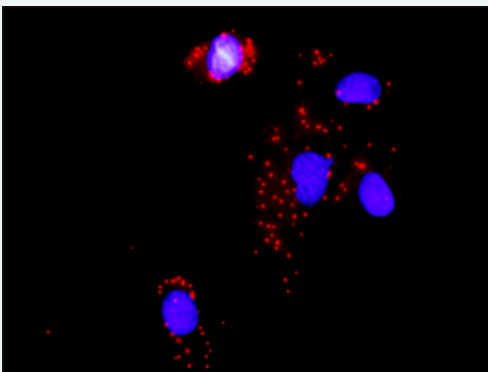
Representative image of Proximity Ligation Assay of protein-protein interactions between PDGFRB and CRKL. PC-3 cells were stained with anti-PDGFRB rabbit purified polyclonal antibody 1:100 and anti-CRKL mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction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

In situ Proximity Ligation Assay (Cell)

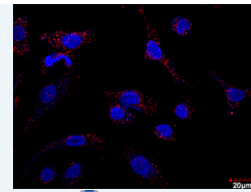



Representative image of Proximity Ligation Assay of protein-protein interactions between PDGFRB and CRKL. A-549 cells were stained with anti-PDGFRB rabbit purified polyclonal antibody 1:100 and anti-CRKL mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction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

In situ Proximity Ligation Assay (Cell)

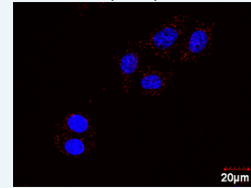



Representative image of Proximity Ligation Assay of protein-protein interactions between PDGFRB and CRKL. Mahlavu cells were stained with anti-PDGFRB rabbit purified



 [enlarge](#)

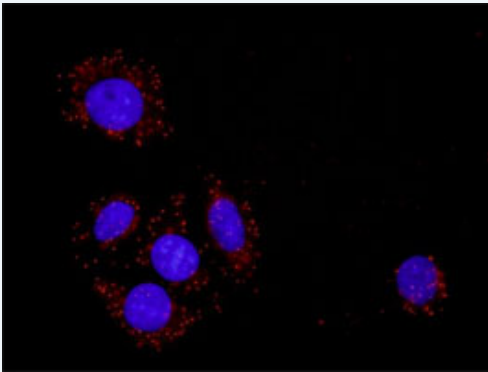
In situ Proximity Ligation Assay (Cell)



 [enlarge](#)

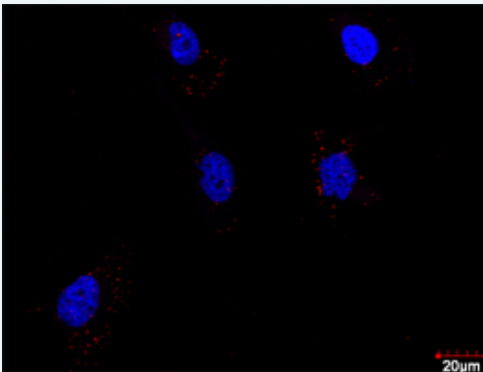
polyclonal antibody 1:1200 and anti-CRKL mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

***In situ* Proximity Ligation Assay (Cell)**



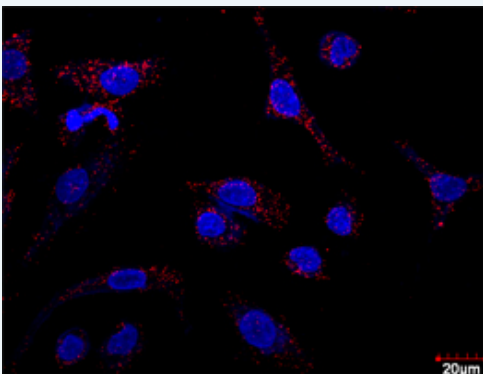
Representative image of Proximity Ligation Assay of protein-protein interactions between PDGFRB and CRKL. HT-29 cells were stained with anti-PDGFRB rabbit purified polyclonal antibody 1:100 and anti-CRKL mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction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

***In situ* Proximity Ligation Assay (Cell)**



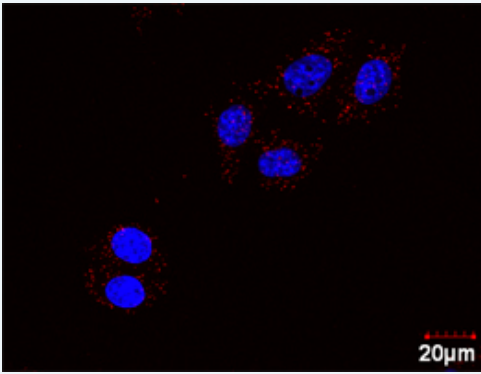
Confocal microscopy image of Proximity Ligation Assay of protein-protein interactions between PDGFRB and CRKL. PC-3 cells were stained with anti-PDGFRB rabbit purified polyclonal antibody 1:100 and anti-CRKL mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction 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)**



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).

[CRKL](#) [PDGFRB](#)

Gene Information

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](#)

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

Gene Information

Entrez GeneID: [1399](#)

Gene Name: CRKL

Gene Alias: -

Gene Description: v-crk sarcoma virus CT10 oncogene homolog (avian)-like

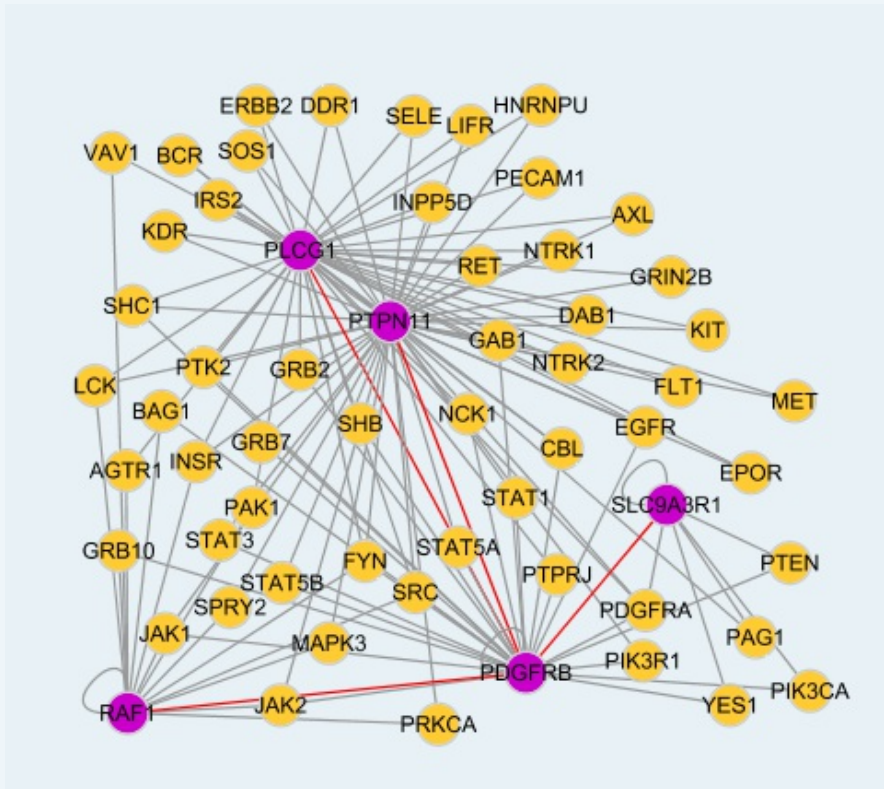
Omim ID: [602007](#)

Gene Ontology: [Hyperlink](#)

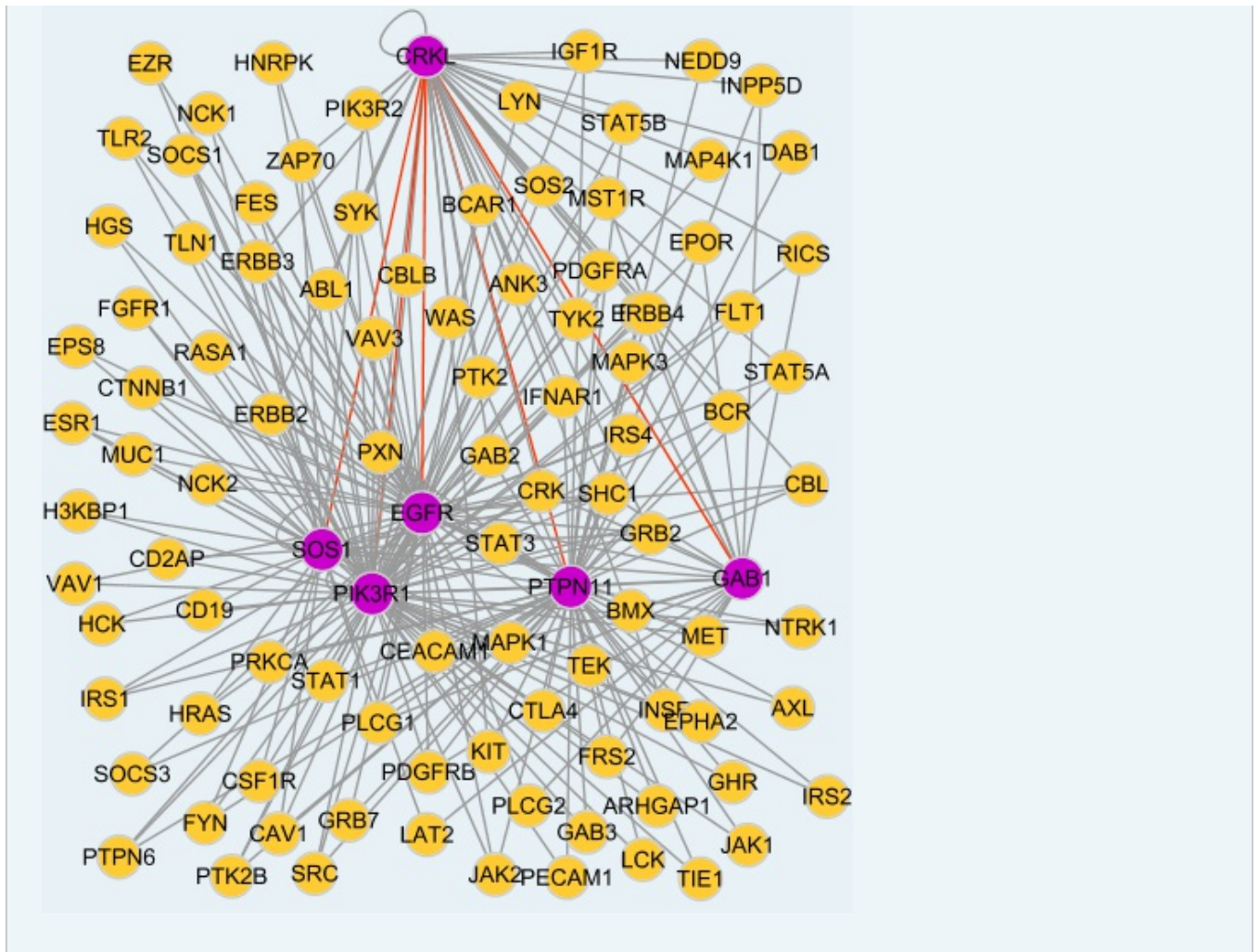
Gene Summary: This gene encodes a protein kinase containing SH2 and SH3 (src homology) domains which has been shown to activate the RAS and JUN kinase signaling pathways and transform fibroblasts in a RAS-dependent fashion. It is a substrate of the BCR-ABL tyrosine kinase, plays a role in fibroblast transformation by BCR-ABL, and may be oncogenic

Other Designations: v-crk avian sarcoma virus CT10 oncogene homolog-like

Interactome 1



Interactome 2



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