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CRKL & PIK3R1 Protein Protein Interaction Antibody Pair

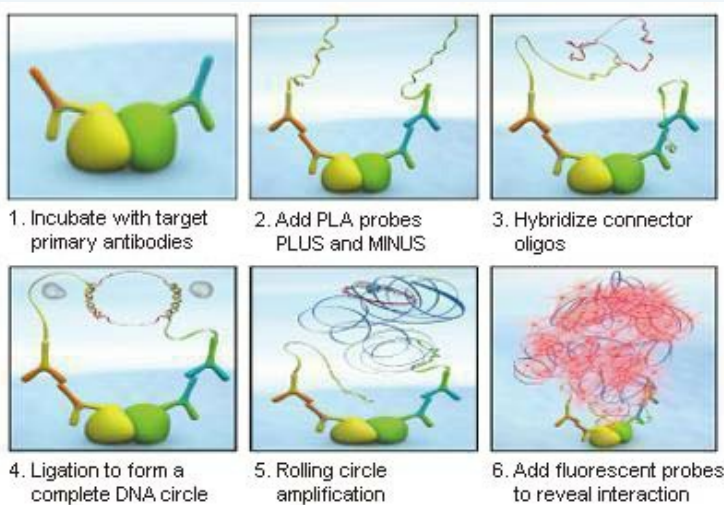
Catalog # : DI0184

規格 : [1 Set]

[List All](#)

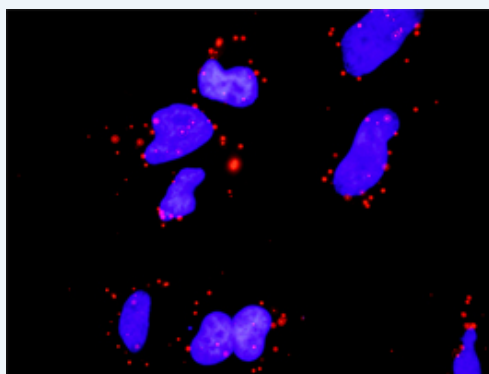
Specification

Product Description: This protein protein interaction antibody pair set comes with two antibodies to detect the protein-protein interaction, one against the CRKL protein, and the other against the PIK3R1 protein for use in *in situ* Proximity Ligation Assay. See Publication Reference below.



Reactivity: Human

Quality Control Testing: Protein protein interaction immunofluorescence result.



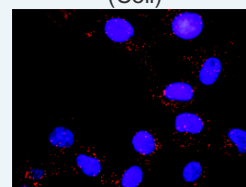
Representative image of Proximity Ligation Assay of protein-protein interactions between CRKL and PIK3R1. HeLa cells were stained with anti-CRKL rabbit purified polyclonal antibody 1:1200 and anti-PIK3R1 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction 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. CRKL rabbit purified polyclonal antibody (20 ug)
 2. PIK3R1 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](#)

MSDS:

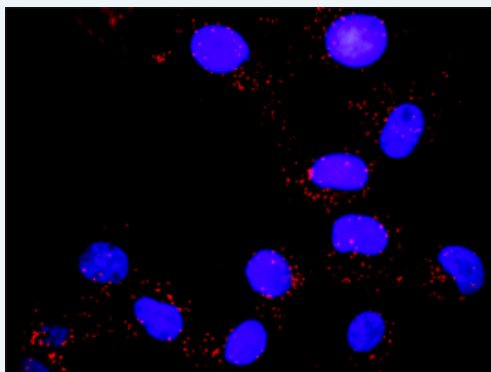


Publication Reference

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 CRKL and PIK3R1. Mahlavu cells were stained with anti-CRKL rabbit purified polyclonal antibody 1:1200 and anti-PIK3R1 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

[CRKL](#) [PIK3R1](#)

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

Gene Information

Entrez GeneID: [5295](#)

Gene Name: PIK3R1

Gene Alias: GRB1,p85,p85-ALPHA

Gene Description: phosphoinositide-3-kinase, regulatory subunit 1 (alpha)

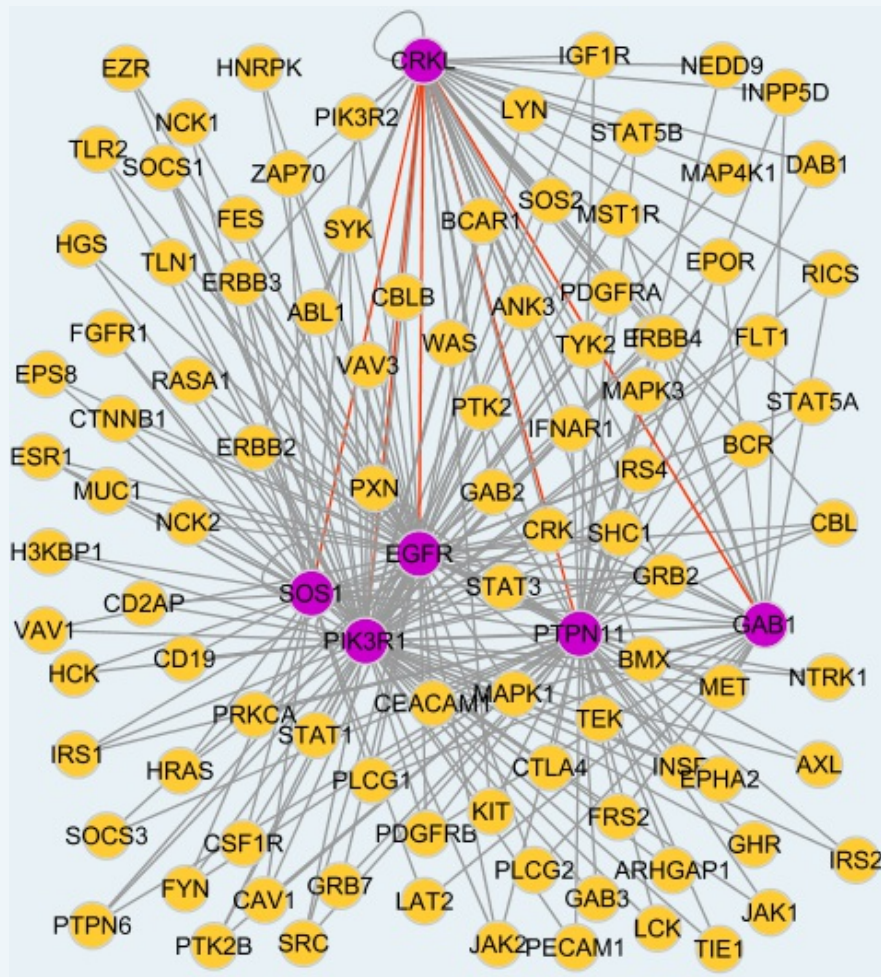
Omim ID: [171833](#)

Gene Ontology: [Hyperlink](#)

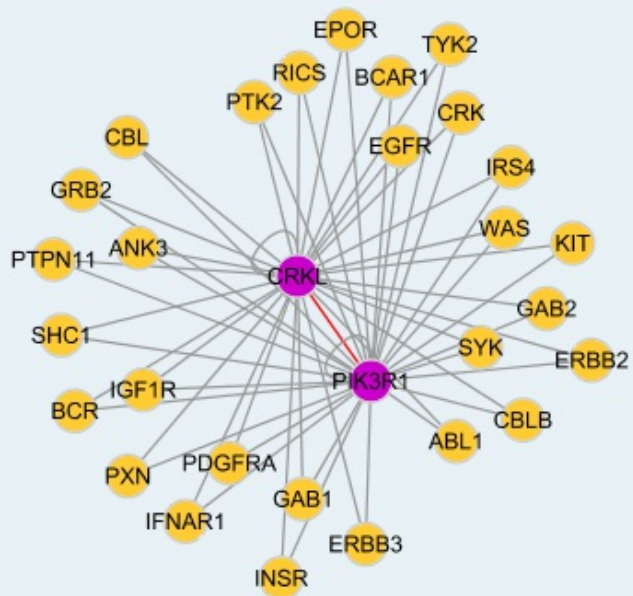
Gene Summary: Phosphatidylinositol 3-kinase phosphorylates the inositol ring of phosphatidylinositol at the 3-prime position. The enzyme comprises a 110 kD catalytic subunit and a regulatory subunit of either 85, 55, or 50 kD. This gene encodes the 85 kD regulatory subunit. Phosphatidylinositol 3-kinase plays an important role in the metabolic actions of insulin, and a mutation in this gene has been associated with insulin resistance. Alternative splicing of this gene results in three transcript variants encoding different isoforms. [provided by RefSeq]

Other Designations: phosphatidylinositol 3-kinase, regulatory subunit, polypeptide 1 (p85 alpha),phosphatidylinositol 3-kinase, regulatory, 1,phosphatidylinositol 3-kinase-associated p-85 alpha,phosphoinositide-3-kinase, regulatory subunit 1 (p85 alpha),phosphoinositide-3-ki

Interactome 1



Interactome 2



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