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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
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- Expressversand

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PIK3R1 & PIK3CB Protein Protein Interaction Antibody Pair

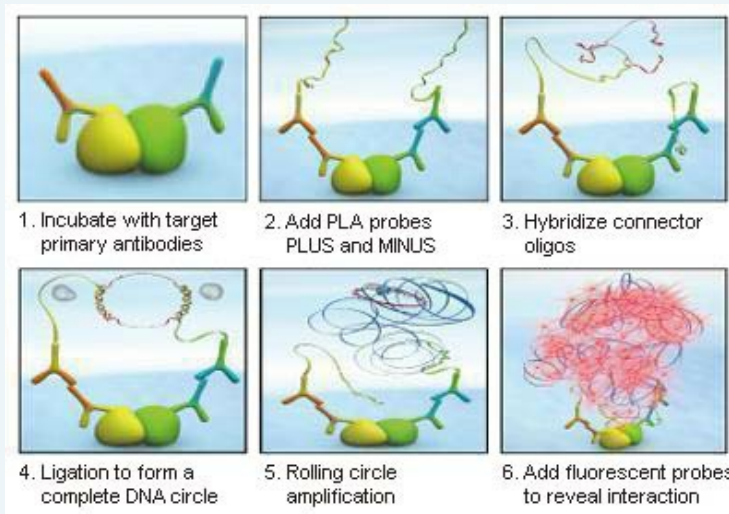
Catalog # : DI0539

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 PIK3R1 protein, and the other against the PIK3CB protein for use in *in situ* Proximity Ligation Assay. See Publication Reference below.

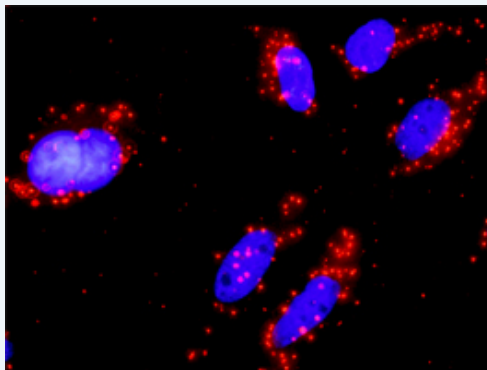


Application Image

In situ Proximity Ligation Assay (Cell)

Reactivity: Human

Quality Control Testing: Protein protein interaction immunofluorescence result.



Representative image of Proximity Ligation Assay of protein-protein interactions between PIK3R1 and PIK3CB. HeLa cells were stained with anti-PIK3R1 rabbit purified polyclonal antibody 1:1200 and anti-PIK3CB 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. PIK3R1 rabbit purified polyclonal antibody (20 ug)
 2. PIK3CB 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.

MSDS:

 [Download](#)

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)

[PIK3CB](#) [PIK3R1](#)

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

Gene Information

Entrez GeneID: [5291](#)

Gene Name: PIK3CB

Gene Alias: DKFZp779K1237,MGC133043,PI3K,PI3KCB,PI3Kbeta,PIK3C1,p110-BETA

Gene Description: phosphoinositide-3-kinase, catalytic, beta polypeptide

Omim ID: [602925](#)

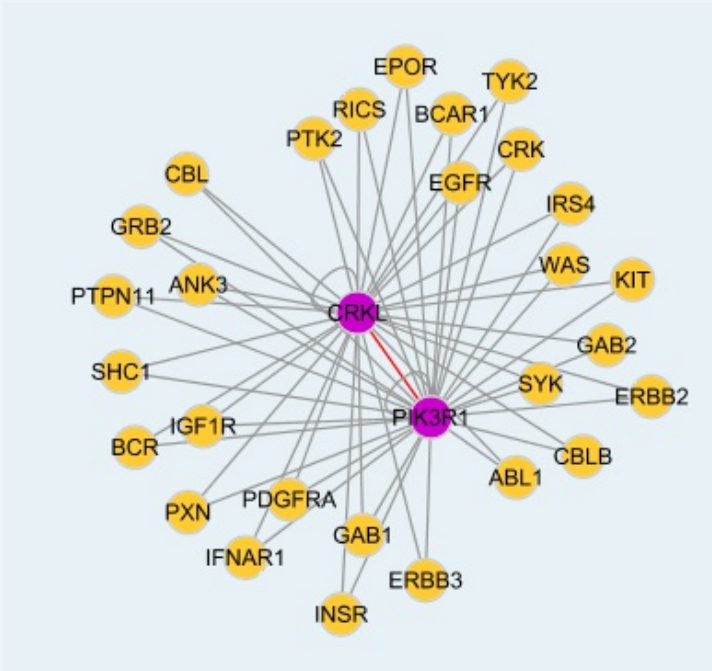
Gene Ontology: [Hyperlink](#)

Gene Summary: Phosphoinositide 3-kinases (PI3Ks) phosphorylate the 3-prime OH position of the inositol ring of inositol lipids. They have been implicated as participants in signaling pathways regulating cell growth by virtue of

their activation in response to various mitogenic stimuli. PI3Ks are composed of a 110-kD catalytic subunit, such as PIK3CB, and an 85-kD adaptor subunit (Hu et al., 1993 [PubMed 8246984]).[supplied by OMIM

Other Designations: PI3-kinase p110 subunit beta, PtdIns-3-kinase p110, phosphatidylinositol 3-kinase, catalytic, beta polypeptide

Interactome 1



Interactome 2

