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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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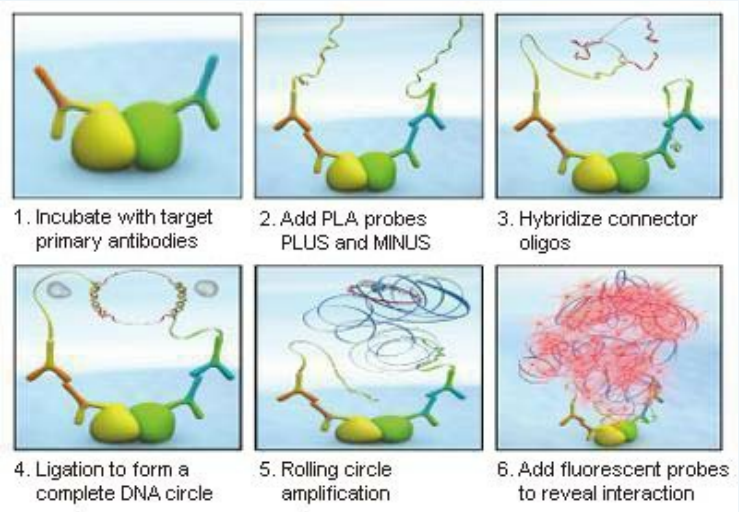
PIK3R1 & PLCG2 Protein Protein Interaction Antibody Pair

Catalog # : DI0558 **規格 :** [1 Set]

List All

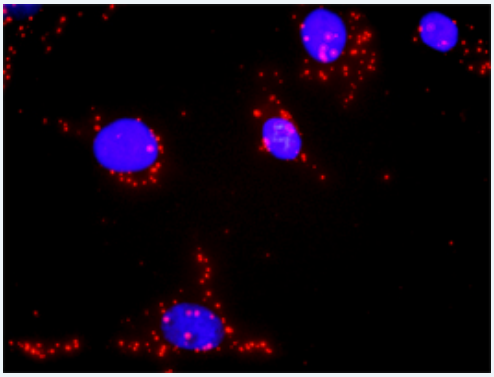
Specification

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 PLCG2 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 PIK3R1 and PLCG2. HeLa cells were stained with anti-PIK3R1 rabbit purified polyclonal antibody 1:1200 and anti-PLCG2 mouse purified polyclonal 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. PLCG2 mouse purified polyclonal 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)

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)**

PIK3R1 PLCG2

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: 5336

Gene Name: PLCG2

Gene Alias: -

Gene Description: phospholipase C, gamma 2 (phosphatidylinositol-specific)

Omim ID: 600220

Gene Ontology: Hyperlink

Gene Summary: Enzymes of the phospholipase C family catalyze the hydrolysis of phospholipids to yield diacylglycerols and water-soluble phosphorylated derivatives of the lipid head groups. A number of these enzymes have specificity for phosphoinositides. Of the phosphoinositide-specific

phospholipase C enzymes, C-beta is regulated by heterotrimeric G protein-coupled receptors, while the closely related C-gamma-1 (PLCG1; MIM 172420) and C-gamma-2 enzymes are controlled by receptor tyrosine kinases. The C-gamma-1 and C-gamma-2 enzymes are composed of phospholipase domains that flank regions of homology to noncatalytic domains of the SRC oncogene product, SH2 and SH3. [supplied by OMIM

Other Designations: phospholipase C gamma 2,phospholipase C, gamma 2,phospholipase C, gamma 2 (phosphatidylyinositol-specific)

Interactome