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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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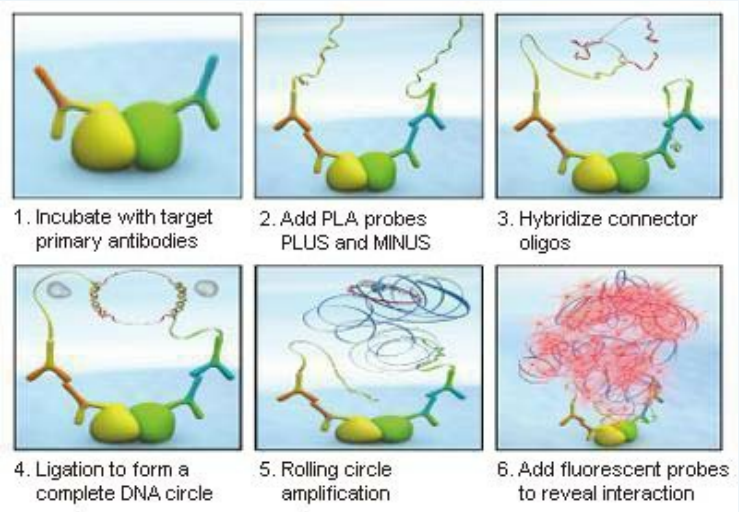
FGFR1 & PLCG1 Protein Protein Interaction Antibody Pair

Catalog # : DI0420 **規格 :** [1 Set]

List All

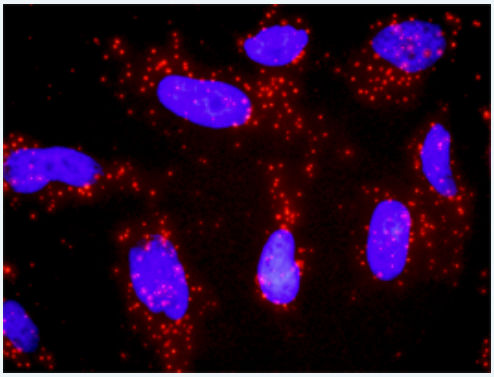
Specification

Product Description: This protein protein interaction antibody pair set comes with two antibodies to detect the protein-protein interaction, one against the FGFR1 protein, and the other against the PLCG1 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 FGFR1 and PLCG1. HeLa cells were stained with anti-FGFR1 rabbit purified polyclonal antibody 1:1200 and anti-PLCG1 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. FGFR1 rabbit purified polyclonal antibody (20 ug)
2. PLCG1 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)

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)**

FGFR1 PLCG1

Gene Information

Entrez GeneID: 2260

Gene Name: FGFR1

Gene Alias: BFGFR,CD331,CEK,FGFBR,FLG,FLJ99988,FLT2,HBGFR,KAL2,N-SAM

Gene Description: fibroblast growth factor receptor 1

Omim ID: 101600, 123150, 136350, 147950

Gene Ontology: Hyperlink

Gene Summary: The protein encoded by this gene is a member of the fibroblast growth factor receptor (FGFR) family, where amino acid sequence is highly conserved between members and throughout evolution. FGFR family members differ from one another in their ligand affinities and tissue distribution. A full-length representative protein consists of an extracellular region, composed of three immunoglobulin-like domains, a single hydrophobic membrane-spanning segment and a cytoplasmic tyrosine kinase domain. The extracellular portion of the protein interacts with fibroblast growth factors, setting in motion a cascade of downstream signals, ultimately influencing mitogenesis and differentiation. This particular family member binds both acidic and basic fibroblast growth factors and is involved in limb induction. Mutations in this gene have been associated with Pfeiffer syndrome, Jackson-Weiss syndrome, Antley-Bixler syndrome, osteoglophonic dysplasia, and autosomal dominant Kallmann syndrome 2. Chromosomal aberrations involving this gene are associated with stem cell myeloproliferative disorder and stem cell leukemia lymphoma syndrome. Alternatively spliced variants which encode different protein isoforms have been described; however, not all variants have been fully characterized. [provided by RefSeq

Other Designations: FMS-like tyrosine kinase 2,OTTHUMP00000190874,OTTHUMP00000190878,OTTHUMP00000190879,OTTHUMP00000190881,basic fibroblast growth factor receptor 1,fms-related tyrosine kinase 2,fms-related tyrosine kinase-2,heparin-binding growth factor receptor,hydroxyaryl

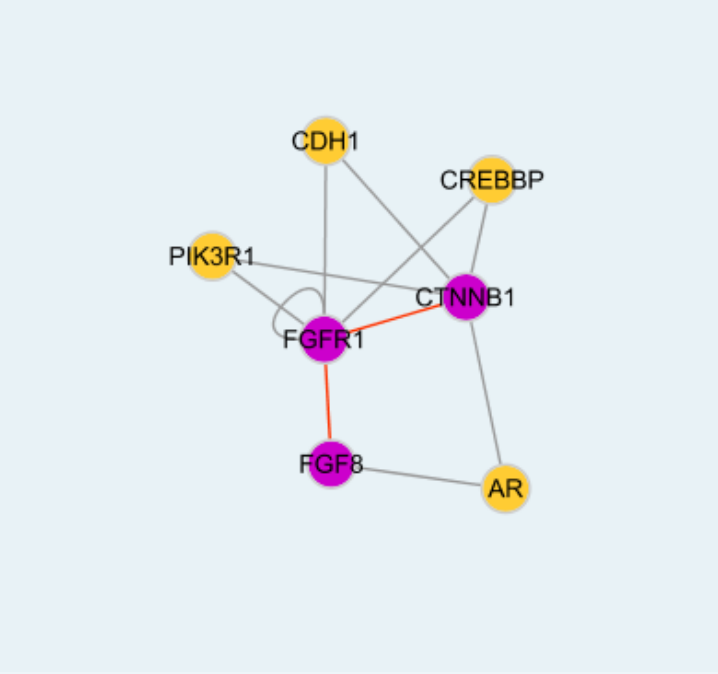
Gene Information

Entrez GeneID: 5335

Gene Name: PLCG1

Gene Alias:	PLC-II,PLC1,PLC148,PLCgamma1
Gene Description:	phospholipase C, gamma 1
Omim ID:	172420
Gene Ontology:	Hyperlink
Gene Summary:	The protein encoded by this gene catalyzes the formation of inositol 1,4,5-trisphosphate and diacylglycerol from phosphatidylinositol 4,5-bisphosphate. This reaction uses calcium as a cofactor and plays an important role in the intracellular transduction of receptor-mediated tyrosine kinase activators. For example, when activated by SRC, the encoded protein causes the Ras guanine nucleotide exchange factor RasGRP1 to translocate to the Golgi, where it activates Ras. Also, this protein has been shown to be a major substrate for heparin-binding growth factor 1 (acidic fibroblast growth factor)-activated tyrosine kinase. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq
Other Designations:	1-phosphatidyl-D-myo-inositol-4,5-bisphosphate,1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase gamma 1,OTTHUMP00000031787,OTTHUMP00000178982,PLC-gamma-1,inositoltrisphosphohydrolase,monophosphatidylinositol phosphodiesterase,phosphatidylinositol

Interactome 1



Interactome 2