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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

linkedin.com/company/szaboscandic

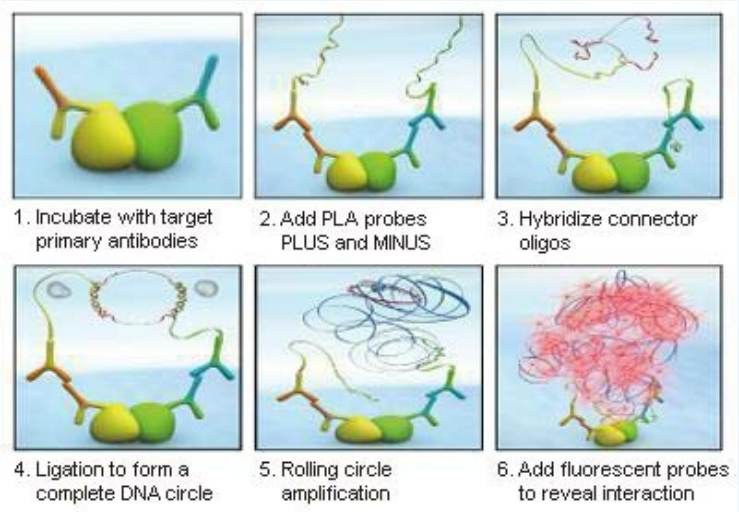
FGFR2 & PLCG1 Protein Protein Interaction Antibody Pair

Catalog # : DI0421 **規格 :** [1 Set]

List All

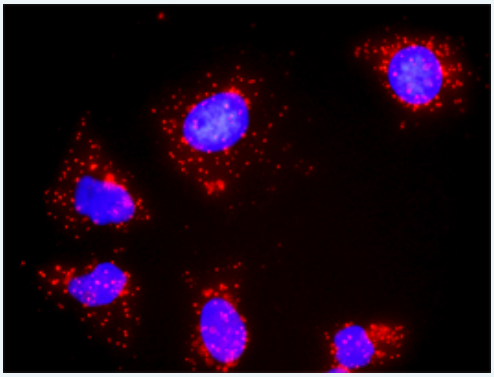
Specification

Product Description: This protein protein interaction antibody pair set comes with two antibodies to detect the protein-protein interaction, one against the FGFR2 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 FGFR2 and PLCG1. HeLa cells were stained with anti-FGFR2 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. FGFR2 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)**

FGFR2 PLCG1

Gene Information

Entrez GeneID: 2263

Gene Name: FGFR2

Gene Alias: BEK,BFR-1,CD332,CEK3,CFD1,ECT1,FLJ98662,JWS,K-SAM,KGFR,TK14,TK25

Gene Description: fibroblast growth factor receptor 2

Omim ID: 101200, 101400, 101600, 123150, 123500, 123790, 137215, 149730, 176943, 207410

Gene Ontology: Hyperlink

Gene Summary: The protein encoded by this gene is a member of the fibroblast growth factor receptor 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 is a high-affinity receptor for acidic, basic and/or keratinocyte growth factor, depending on the isoform. Mutations in this gene are associated with Crouzon syndrome, Pfeiffer syndrome, Craniosynostosis, Apert syndrome, Jackson-Weiss syndrome, Beare-Stevenson cutis gyrata syndrome, Saethre-Chotzen syndrome, and syndromic craniosynostosis. Multiple alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq

Other Designations: BEK fibroblast growth factor receptor,FGF receptor,OTTHUMP00000020621,OTTHUMP00000020629,bacteria-expressed kinase,hydroxyaryl-protein kinase,keratinocyte growth factor receptor,protein tyrosine kinase, receptor like 14,soluble FGFR4 variant 4

Gene Information

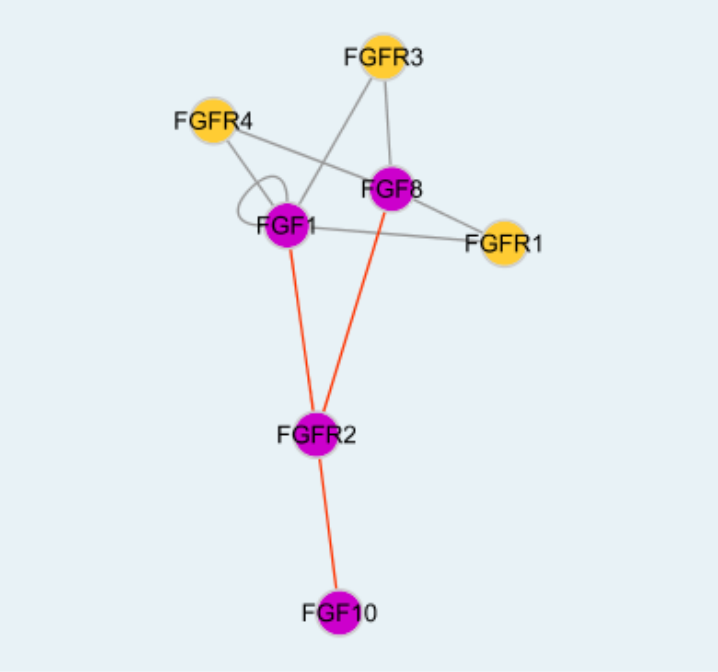
Entrez GeneID: 5335

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