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FGFR2 & FGF10 Protein Protein Interaction Antibody Pair

Catalog # : DI0199

規格 : [1 Set]

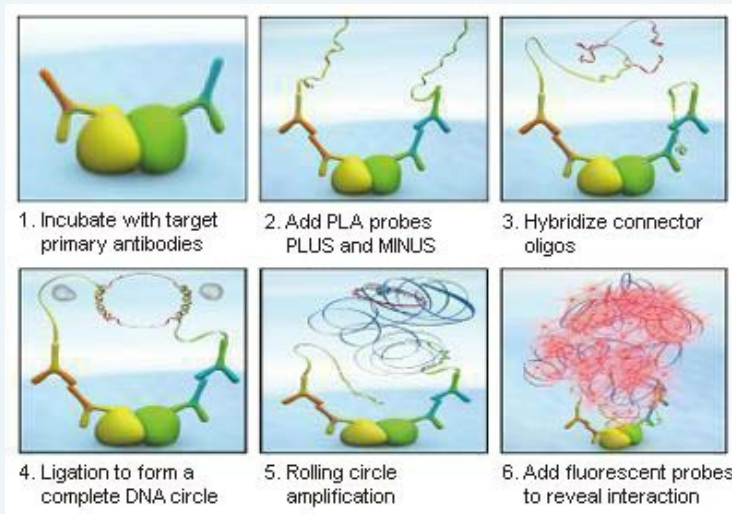
List All

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 FGF10 protein for use in *in situ* Proximity Ligation Assay. See Publication Reference below.

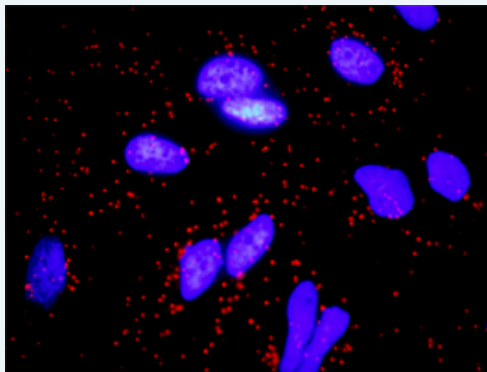
Application Image

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 FGFR2 and FGF10. HeLa cells were stained with anti-FGFR2 rabbit purified polyclonal antibody 1:1200 and anti-FGF10 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. FGF10 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)

[FGF10](#) [FGFR2](#)

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: [2255](#)

Gene Name: FGF10

Gene Alias: -

Gene fibroblast growth factor 10

Description:

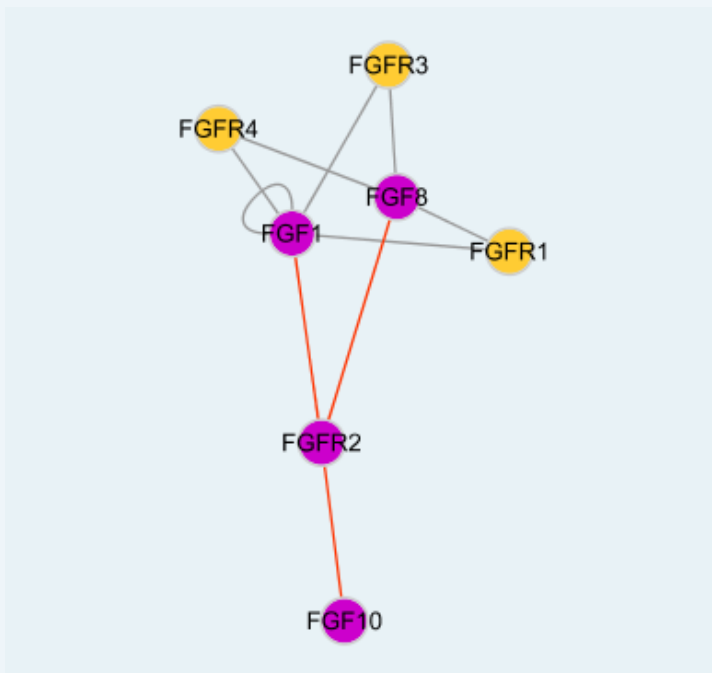
Omim ID: [149730](#), [180920](#), [602115](#)

Gene Ontology: [Hyperlink](#)

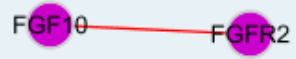
Gene Summary: The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. This protein exhibits mitogenic activity for keratinizing epidermal cells, but essentially no activity for fibroblasts, which is similar to the biological activity of FGF7. Studies of the mouse homolog of suggested that this gene is required for embryonic epidermal morphogenesis including brain development, lung morphogenesis, and initiation of lim bud formation. This gene is also implicated to be a primary factor in the process of wound healing. [provided by RefSeq]

Other Designations: keratinocyte growth factor 2, produced by fibroblasts of urinary bladder lamina propria

Interactome 1



Interactome 2



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