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FGFR1 & FGF8 Protein Protein Interaction Antibody Pair

Catalog # : DI0201

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 FGF8 protein for use in *in situ* Proximity Ligation Assay. See Publication Reference below.

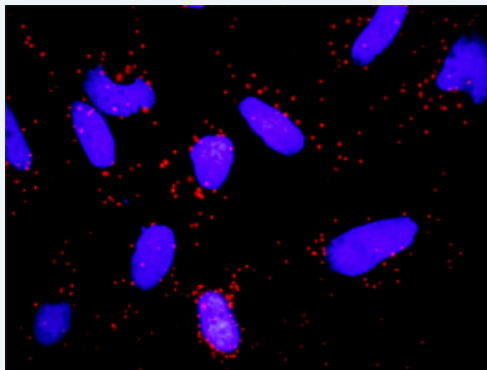
Application Image

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 FGFR1 and FGF8. HeLa cells were stained with anti-FGFR1 rabbit purified polyclonal antibody 1:1200 and anti-FGF8 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. FGF8 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)

[FGF8](#) [FGFR1](#)

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: [2253](#)

Gene Name: FGF8

Gene Alias: AIGF,HBGF-8,MGC149376

Gene Description: fibroblast growth factor 8 (androgen-induced)

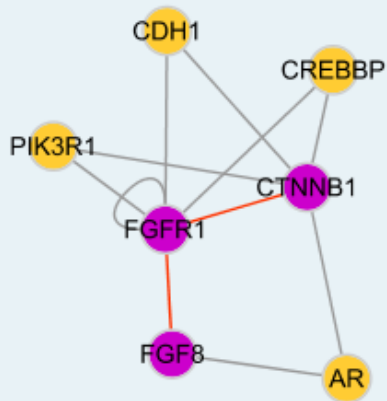
Omim ID: [600483](#)

Gene Ontology: [Hyperlink](#)

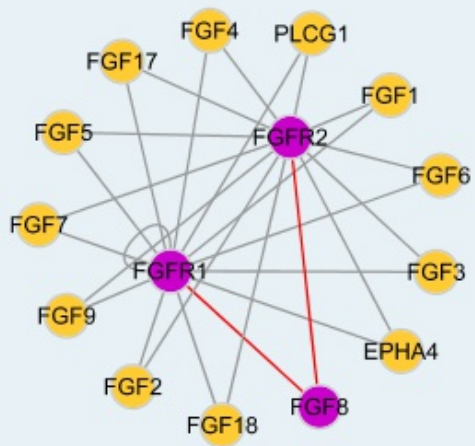
Gene Summary: The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. This protein is known to be a factor that supports androgen and anchorage independent growth of mammary tumor cells. Overexpression of this gene has been shown to increase tumor growth and angiogenesis. The adult expression of this gene is restricted to testes and ovaries. Temporal and spatial pattern of this gene expression suggests its function as an embryonic epithelial factor. Studies of the mouse and chick homologs revealed roles in midbrain and limb development, organogenesis, embryo gastrulation and left-right axis determination. The alternative splicing of this gene results in four transcript variants. [provided by RefSeq]

Other Designations: OTTHUMP00000020348,OTTHUMP00000020349,OTTHUMP00000020350,OTTHUMP00000020351,androgen-induced growth factor,fibroblast growth factor 8

Interactome 1



Interactome 2



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