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- Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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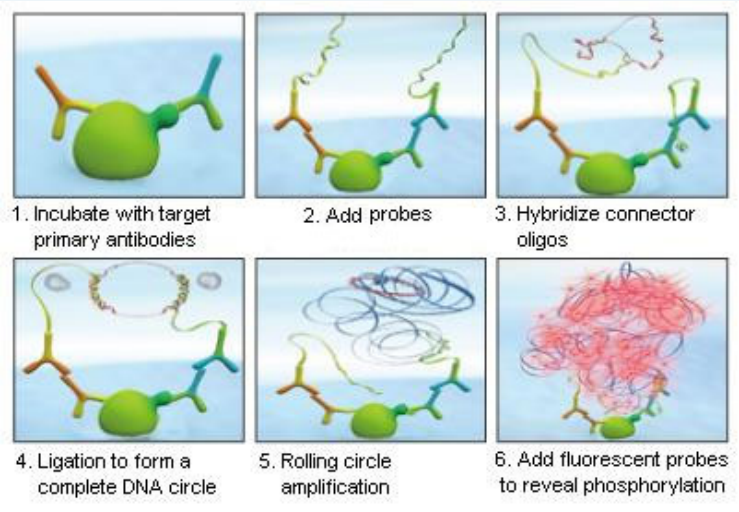
FGFR1(phospho Y463) & FGFR1 Protein Phosphorylation Antibody Pair

Catalog # : DP0025 **規格 :** [1 Set]

List All

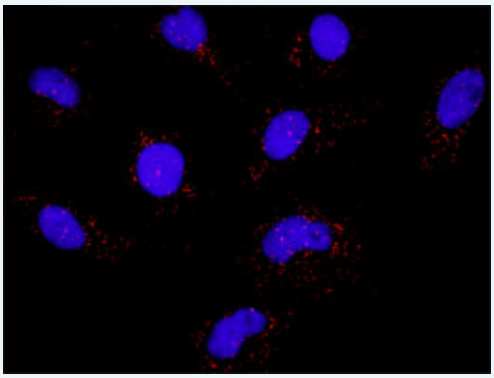
Specification

Product Description: This protein phosphorylation antibody pair set comes with two antibodies, one against the FGFR1 protein, and the other against the specific Y463 phosphorylated site of FGFR1 for use in *in situ* Proximity Ligation Assay. See Publication Reference below.



Reactivity: Human

Quality Control Testing: Dual recognition immunofluorescence result.



Representative image of Proximity Ligation Assay of protein phosphorylation. HeLa cells were stained with dual recognition antibody pair set, rabbit polyclonal antibody 1:1200 and mouse monoclonal antibody 1:50. Each red dot represents one single phosphorylated protein. 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. Phospho-FGFR1 Y463 rabbit polyclonal antibody (20 ul)
With 0.09% sodium azide.
2. FGFR1 mouse monoclonal antibody (40 ug)
In 1x PBS, pH 7.2
*Reagents are sufficient for at least 30-50 assays using recommended protocols.

Application Image

In situ Proximity Ligation Assay (Cell)

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.

Publication Reference

1. In situ detection of phosphorylated platelet-derived growth factor receptor beta using a generalized proximity ligation method.
   Jarvius M, Paulsson J, Weibrecht I, Leuchowius KJ, Andersson AC, Wahlby C, Gullberg M,Botling J, Sjoblom T, Markova B, Ostman A, Landegren U, Soderberg O.
   Mol Cell Proteomics. 2007 Sep;6(9):1500-9. Epub 2007 Jun 12.
2. Direct observation of individual endogenous protein complexes in situ by proximity ligation.
   Soderberg O, Gullberg M, Jarvius M , Ridderstrale K, Leuchowius KJ, Jarvius J, Wester K, Hydbring P, Bahram F, Larsson LG, and Landegren U.
   Nat Methods. 2006 Dec;3(12):995-1000. Epub 2006 Oct 29.
3. Cytokine detection by antibody-based proximity ligation.
   Gullberg M, Gustafsdottir SM, Schallmeiner E, Jarvius J, Bjarnegard M, Betsholtz C, Landegren U, and Fredriksson S.
   Proc Natl Acad Sci U S A. 2004 Jun 1;101(22):8420-4. Epub 2004 May 21.
4. Protein detection using proximity-dependent DNA ligation assays.
   Fredriksson S, GullbergM, Jarvius J, Olsson C, Pietras K, Gustafsdottir SM, Ostman A, and Landegren U.
   Nat Biotechnol. 2002 May;20(5):473-7.
5. Highly specific detection of phosphorylated proteins by Duolink
   Mats Gullberg and Ann-Catrin Andersson
   Nature Methods 6. 2009

Applications

***In situ* Proximity Ligation Assay (Cell)**

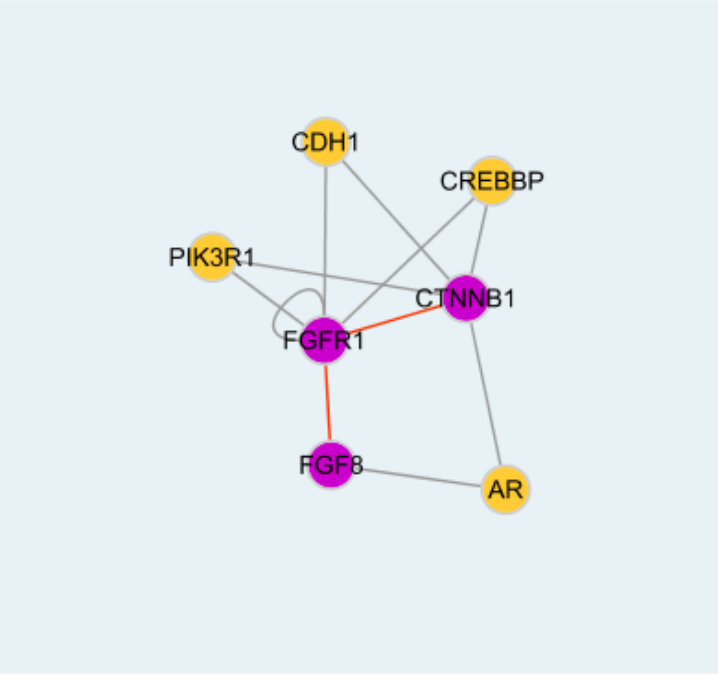
Gene Information

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

Interactome



Gene Pathway

Adherens junction MAPK signaling pathway Melanoma Pathways in cancer Prostate cancer Regulation of actin cytoskeleton

Related Disease

Abnormalities, Multiple Acrocephalosyndactylia Alzheimer Disease Alzheimer disease Amenorrhea Anodontia Breast cancer Breast Neoplasms Bronchial Hyperreactivity Cardiovascular Diseases Chromosome Aberrations Chromosome Disorders Cleft Lip Cleft Palate Craniofacial Dysostosis Craniosynostoses Diabetes Complications Fractures, Bone Genetic Diseases, Inborn

... see more