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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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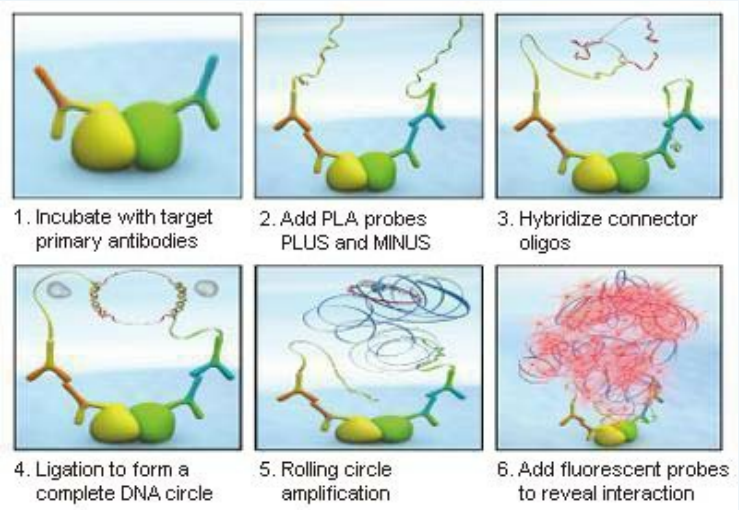
TGFB1 & MMP9 Protein Protein Interaction Antibody Pair

Catalog # : DI0375 **規格 :** [1 Set]

List All

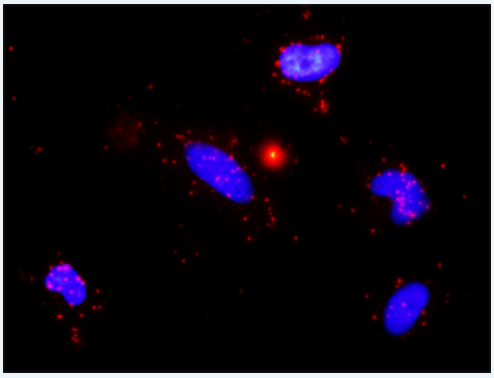
Specification

Product Description: This protein protein interaction antibody pair set comes with two antibodies to detect the protein-protein interaction, one against the TGFB1 protein, and the other against the MMP9 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 TGFB1 and MMP9. HeLa cells were stained with anti-TGFB1 rabbit purified polyclonal antibody 1:1200 and anti-MMP9 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. TGFB1 rabbit purified polyclonal antibody (20 ug)
2. MMP9 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)**

MMP9 TGFB1

Gene Information

Entrez GeneID: 7040

Gene Name: TGFB1

Gene Alias: CED,DPD1,TGFB,TGFbeta

Gene Description: transforming growth factor, beta 1

Omim ID: 131300, 190180, 219700

Gene Ontology: Hyperlink

Gene Summary: TGFB is a multifunctional peptide that controls proliferation, differentiation, and other functions in many cell types. TGFB acts synergistically with TGFA (MIM 190170) in inducing transformation. It also acts as a negative autocrine growth factor. Dysregulation of TGFB activation and signaling may result in apoptosis. Many cells synthesize TGFB and almost all of them have specific receptors for this peptide. TGFB1, TGFB2 (MIM 190220), and TGFB3 (MIM 190230) all function through the same receptor signaling systems.[supplied by OMIM

Other Designations: TGF-beta 1 protein,diaphyseal dysplasia 1, progressive,transforming growth factor-beta 1

Gene Information

Entrez GeneID: 4318

Gene Name: MMP9

Gene Alias: CLG4B,GELB,MMP-9

Gene Description: matrix metallopeptidase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase)

Omim ID: 120361

Gene Ontology: Hyperlink

Gene Summary: Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. The enzyme encoded by this gene

degrades type IV and V collagens. Studies in rhesus monkeys suggest that the enzyme is involved in IL-8-induced mobilization of hematopoietic progenitor cells from bone marrow, and murine studies suggest a role in tumor-associated tissue remodeling. [provided by RefSeq

Other Designations: 92kD type IV collagenase,OTTHUMP00000031674,gelatinase B,macrophage gelatinase,matrix metalloproteinase 9,matrix metalloproteinase 9 (gelatinase B, 92kD gelatinase, 92kD type IV collagenase),matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kD

Interactome