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MMP1 & F2R Protein Protein Interaction Antibody Pair

Catalog # : DI0176

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 MMP1 protein, and the other against the F2R protein for use in *in situ* Proximity Ligation Assay. See Publication Reference below.

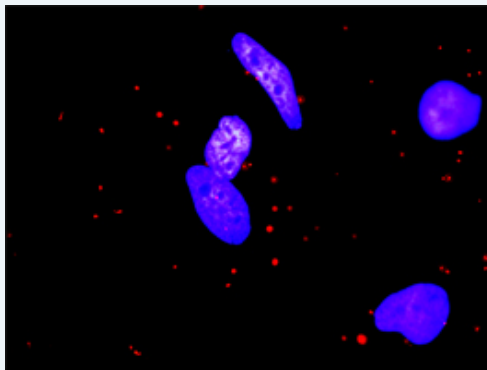
Application Image

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 MMP1 and F2R. HeLa cells were stained with anti-MMP1 rabbit purified polyclonal antibody 1:1200 and anti-F2R 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. MMP1 rabbit purified polyclonal antibody (20 ug)
 2. F2R 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)

[F2R](#) [MMP1](#)

Gene Information

Entrez GeneID: [4312](#)

Gene Name: MMP1

Gene Alias: CLG,CLGN

Gene Description: matrix metalloproteinase 1 (interstitial collagenase)

Omim ID: [120353](#), [606963](#)

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. This gene encodes a secreted enzyme which breaks down the interstitial collagens, types I, II, and III. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. Alternative splicing results in multiple transcript variants.[provided by RefSeq]

Other Designations: fibroblast collagenase,interstitial collagenase,matrix metalloprotease 1,matrix metalloproteinase 1,matrix metalloproteinase 1 (interstitial collagenase)

Gene Information

Entrez GeneID: [2149](#)

Gene Name: F2R

Gene Alias: CF2R,HTR,PAR1,TR

Gene Description: coagulation factor II (thrombin) receptor

Omim ID: [187930](#)

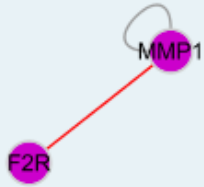
Gene Ontology: [Hyperlink](#)

Gene Summary: Coagulation factor II receptor is a 7-transmembrane receptor involved in the regulation of thrombotic response. Proteolytic cleavage leads to the activation of the receptor. F2R is a G-protein coupled receptor family

member. [provided by RefSeq]

Other Designations: coagulation factor II receptor,protease-activated receptor 1,thrombin receptor

Interactome 1



Interactome 2



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