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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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MMP2 & A2M Protein Protein Interaction Antibody Pair

Catalog # : DI0038

規格 : [1 Set]

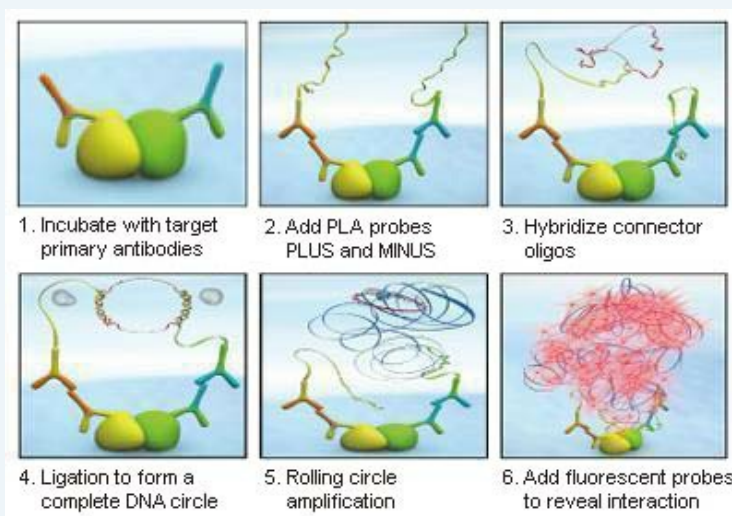
List All

Specification

Product Description: This protein protein interaction antibody pair set comes with two antibodies to detect the protein-protein interaction, one against the MMP2 protein, and the other against the A2M protein for use in *in situ* Proximity Ligation Assay. See Publication Reference below.

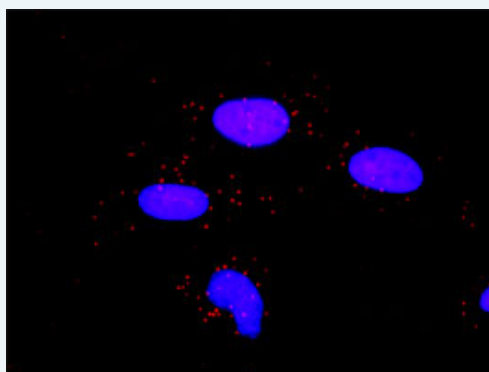
Application Image

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 MMP2 and A2M. HeLa cells were stained with anti-MMP2 rabbit purified polyclonal antibody 1:1200 and anti-A2M 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. MMP2 rabbit purified polyclonal antibody (20 ug)
 2. A2M 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 -

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)**[A2M](#) [MMP2](#)**Gene Information****Entrez GeneID:** [4313](#)**Gene Name:** MMP2**Gene Alias:** CLG4,CLG4A,MMP-II,MONA,TBE-1**Gene Description:** matrix metalloproteinase 2 (gelatinase A, 72kDa gelatinase, 72kDa type IV collagenase)**Omim ID:** [120360](#), [277950](#), [605156](#)**Gene Ontology:** [Hyperlink](#)

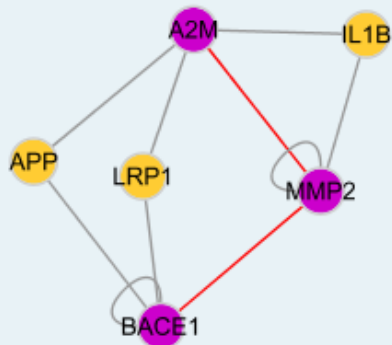
Gene Summary: Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. This gene encodes an enzyme which degrades type IV collagen, the major structural component of basement membranes. The enzyme plays a role in endometrial menstrual breakdown, regulation of vascularization and the inflammatory response. Mutations in this gene have been associated with Winchester syndrome and Nodulosis-Arthropathy-Osteolysis (NAO) syndrome. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations: collagenase type IV-A,matrix metalloproteinase 2,matrix metalloproteinase-II,neutrophil gelatinase**Gene Information****Entrez GeneID:** [2](#)**Gene Name:** A2M**Gene Alias:** CPAMD5,DKFZp779B086,FWP007,S863-7**Gene Description:** alpha-2-macroglobulin**Omim ID:** [103950](#), [104300](#)**Gene Ontology:** [Hyperlink](#)**Gene Summary:** Alpha-2-macroglobulin is a protease inhibitor and cytokine transporter.

It inhibits many proteases, including trypsin, thrombin and collagenase. A2M is implicated in Alzheimer disease (AD) due to its ability to mediate the clearance and degradation of A-beta, the major component of beta-amyloid deposits. [provided by RefSeq]

Other -
Designations:

Interactome 1



Interactome 2

