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- Expressversand

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HGF & FN1 Protein Protein Interaction Antibody Pair

Catalog # : DI0567

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 HGF protein, and the other against the FN1 protein for use in *in situ* Proximity Ligation Assay. See Publication Reference below.

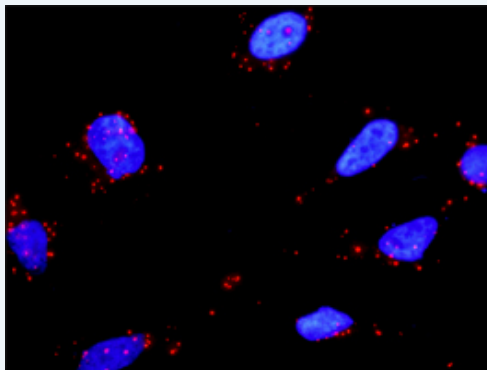
Application Image

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 HGF and FN1. HeLa cells were stained with anti-HGF rabbit purified polyclonal antibody 1:1200 and anti-FN1 mouse purified polyclonal 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. HGF rabbit purified polyclonal antibody (20 ug)
 2. FN1 mouse purified polyclonal 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)

[FN1](#) [HGF](#)

Gene Information

Entrez GeneID: [3082](#)

Gene Name: HGF

Gene Alias: F-TCF,HGFB,HPTA,SF

Gene Description: hepatocyte growth factor (hepapoietin A; scatter factor)

Omim ID: [142409](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: Hepatocyte growth factor regulates cell growth, cell motility, and morphogenesis by activating a tyrosine kinase signaling cascade after binding to the proto-oncogenic c-Met receptor. Hepatocyte growth factor is secreted by mesenchymal cells and acts as a multi-functional cytokine on cells of mainly epithelial origin. Its ability to stimulate mitogenesis, cell motility, and matrix invasion gives it a central role in angiogenesis, tumorigenesis, and tissue regeneration. It is secreted as a single inactive polypeptide and is cleaved by serine proteases into a 69-kDa alpha-chain and 34-kDa beta-chain. A disulfide bond between the alpha and beta chains produces the active, heterodimeric molecule. The protein belongs to the plasminogen subfamily of S1 peptidases but has no detectable protease activity. Alternative splicing of this gene produces multiple transcript variants encoding different isoforms. [provided by RefSeq]

Other Designations: fibroblast-derived tumor cytotoxic factor,hepatocyte growth factor,hepatopoietin A,lung fibroblast-derived mitogen,scatter factor

Gene Information

Entrez GeneID: [2335](#)

Gene Name: FN1

Gene Alias: CIG,DKFZp686F10164,DKFZp686H0342,DKFZp686I1370,DKFZp686O13149,ED-B,FINC, FN,FNZ,GFND,GFND2,LETS,MSF

Gene Description: fibronectin 1

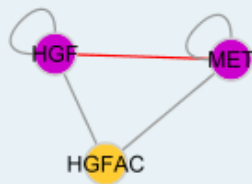
Omim ID: [135600](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: This gene encodes fibronectin, a glycoprotein present in a soluble dimeric form in plasma, and in a dimeric or multimeric form at the cell surface and in extracellular matrix. Fibronectin is involved in cell adhesion and migration processes including embryogenesis, wound healing, blood coagulation, host defense, and metastasis. The gene has three regions subject to alternative splicing, with the potential to produce 20 different transcript variants. However, the full-length nature of some variants has not been determined. [provided by RefSeq]

Other Designations: cold-insoluble globulin,migration-stimulating factor

Interactome



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