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- Trockeneiszuschlag
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- Expressversand

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STAT1 & PDGFRB Protein Protein Interaction Antibody Pair

Catalog # : DI0396

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 STAT1 protein, and the other against the PDGFRB protein for use in *in situ* Proximity Ligation Assay. See Publication Reference below.

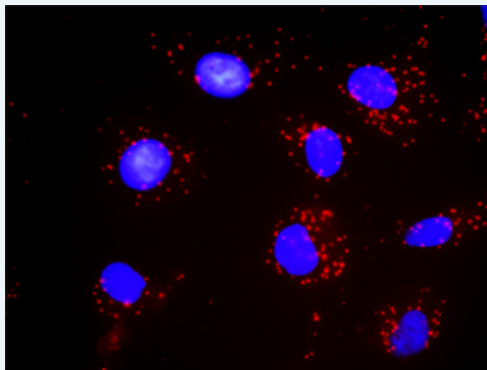
Application Image

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 STAT1 and PDGFRB. Mahlavu cells were stained with anti-STAT1 rabbit purified polyclonal antibody 1:1200 and anti-PDGFRB 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. STAT1 rabbit purified polyclonal antibody (20 ug)
 2. PDGFRB 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)

[PDGFRB](#) [STAT1](#)

Gene Information

Entrez GeneID: [6772](#)

Gene Name: STAT1

Gene Alias: DKFZp686B04100,ISGF-3,STAT91

Gene Description: signal transducer and activator of transcription 1, 91kDa

Omim ID: [209950](#), [600555](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: The protein encoded by this gene is a member of the STAT protein family. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. This protein can be activated by various ligands including interferon-alpha, interferon-gamma, EGF, PDGF and IL6. This protein mediates the expression of a variety of genes, which is thought to be important for cell viability in response to different cell stimuli and pathogens. Two alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq]

Other Designations: OTTHUMP00000165047,signal transducer and activator of transcription 1,signal transducer and activator of transcription-1,transcription factor ISGF-3 components p91/p84

Gene Information

Entrez GeneID: [5159](#)

Gene Name: PDGFRB

Gene Alias: CD140B,JTK12,PDGF-R-beta,PDGFR,PDGFR1

Gene Description: platelet-derived growth factor receptor, beta polypeptide

Omim ID: [131440](#), [173410](#)

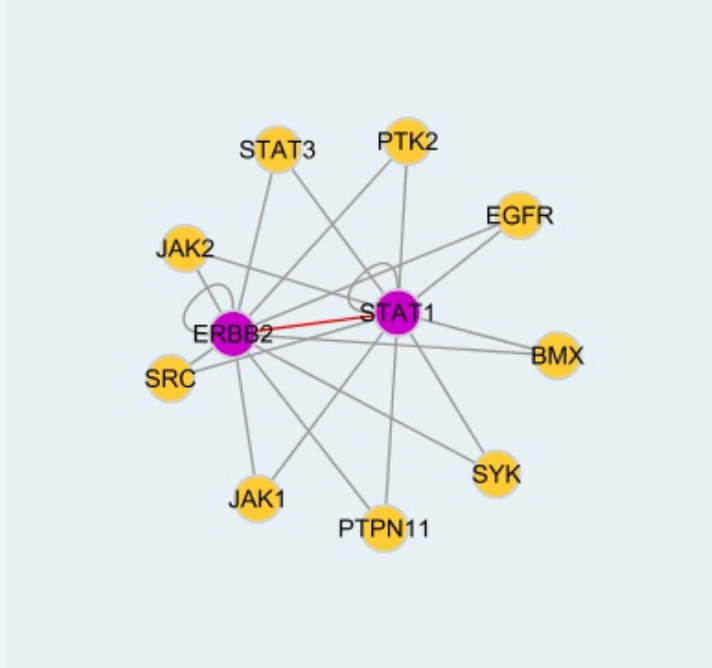
Gene Ontology: [Hyperlink](#)

Gene Summary: This gene encodes a cell surface tyrosine kinase receptor for members of the platelet-derived growth factor family. These growth factors are

mitogens for cells of mesenchymal origin. The identity of the growth factor bound to a receptor monomer determines whether the functional receptor is a homodimer or a heterodimer, composed of both platelet-derived growth factor receptor alpha and beta polypeptides. This gene is flanked on chromosome 5 by the genes for granulocyte-macrophage colony-stimulating factor and macrophage-colony stimulating factor receptor; all three genes may be implicated in the 5-q syndrome. A translocation between chromosomes 5 and 12, that fuses this gene to that of the translocation, ETV6, leukemia gene, results in chronic myeloproliferative disorder with eosinophilia. [provided by RefSeq

Other Designations: beta platelet-derived growth factor receptor,platelet-derived growth factor receptor beta,soluble PDGFRb variant 1

Interactome 1



Interactome 2

