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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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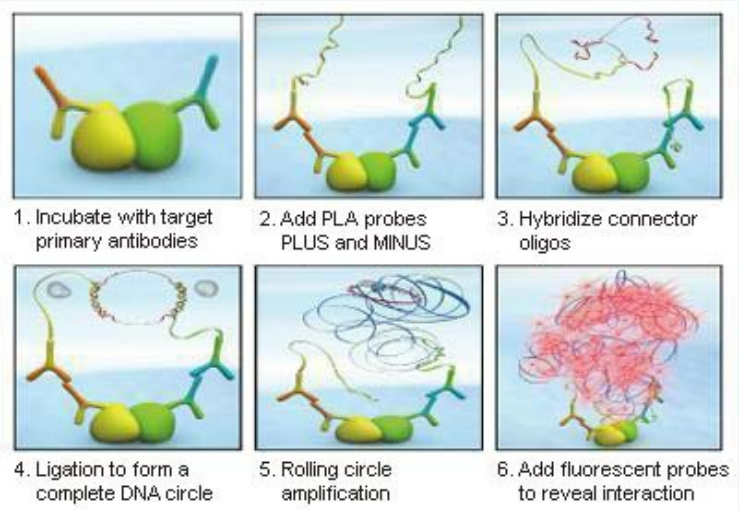
STAT1 & FRAP1 Protein Protein Interaction Antibody Pair

Catalog # : DI0427 **規格 :** [1 Set]

List All

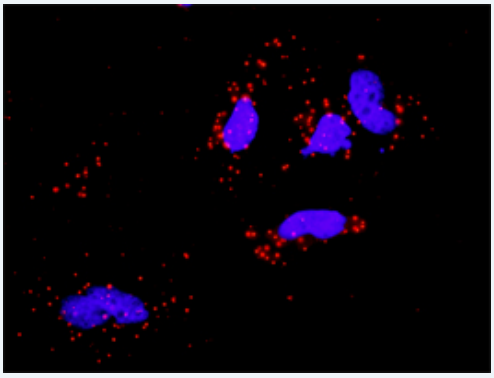
Specification

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 FRAP1 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 STAT1 and FRAP1. HeLa cells were stained with anti-STAT1 rabbit purified polyclonal antibody 1:1200 and anti-FRAP1 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. FRAP1 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)**

MTOR 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: 2475

Gene Name: MTOR

Gene Alias: FRAP,FRAP1,FRAP2,RAFT1,RAPT1

Gene Description: mechanistic target of rapamycin

Omim ID: 601231

Gene Ontology: Hyperlink

Gene Summary: The protein encoded by this gene belongs to a family of phosphatidylinositol kinase-related kinases. These kinases mediate

cellular responses to stresses such as DNA damage and nutrient deprivation. This protein acts as the target for the cell-cycle arrest and immunosuppressive effects of the FKBP12-rapamycin complex. The ANGPTL7 gene is located in an intron of this gene. [provided by RefSeq

Other Designations: FK506 binding protein 12-rapamycin associated protein 1,FK506 binding protein 12-rapamycin associated protein 2,FK506-binding protein 12-rapamycin complex-associated protein 1,FKBP-rapamycin associated protein,FKBP12-rapamycin complex-associated protein 1

Interactome