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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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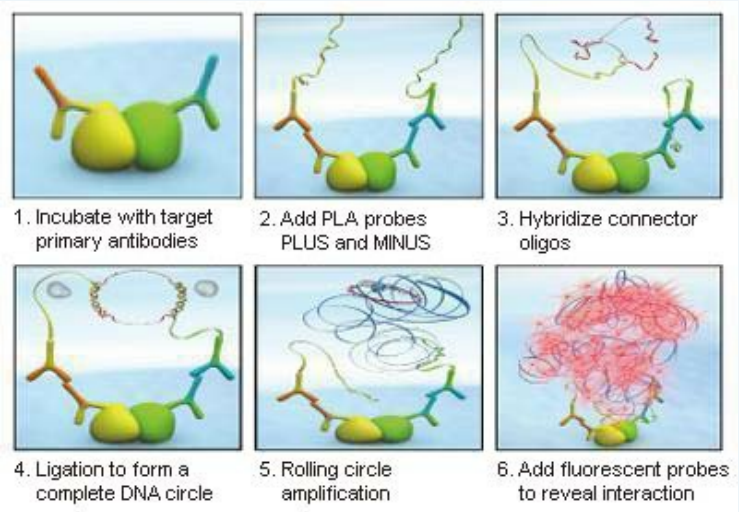
CDC42 & MAPK8 Protein Protein Interaction Antibody Pair

Catalog # : DI0572 **規格 :** [1 Set]

List All

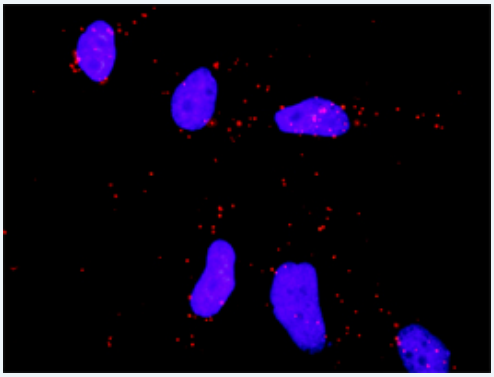
Specification

Product Description: This protein protein interaction antibody pair set comes with two antibodies to detect the protein-protein interaction, one against the CDC42 protein, and the other against the MAPK8 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 CDC42 and MAPK8. HeLa cells were stained with anti-CDC42 rabbit purified polyclonal antibody 1:1200 and anti-MAPK8 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. CDC42 rabbit purified polyclonal antibody (20 ug)
2. MAPK8 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)**

CDC42 MAPK8

Gene Information

Entrez GeneID: 998

Gene Name: CDC42

Gene Alias: CDC42Hs,G25K

Gene Description: cell division cycle 42 (GTP binding protein, 25kDa)

Omim ID: 116952

Gene Ontology: Hyperlink

Gene Summary: The protein encoded by this gene is a small GTPase of the Rho-subfamily, which regulates signaling pathways that control diverse cellular functions including cell morphology, migration, endocytosis and cell cycle progression. This protein is highly similar to Saccharomyces cerevisiae Cdc 42, and is able to complement the yeast cdc42-1 mutant. The product of oncogene Dbl was reported to specifically catalyze the dissociation of GDP from this protein. This protein could regulate actin polymerization through its direct binding to Neural Wiskott-Aldrich syndrome protein (N-WASP), which subsequently activates Arp2/3 complex. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq

Other Designations: GTP-binding protein, 25kD,OTTHUMP00000002834,OTTHUMP00000002926,cell division cycle 42,cell division cycle 42 (GTP binding protein, 25kD),cell division cycle 42 (GTP-binding protein, 25kD),dJ224A6.1.1 (cell division cycle 42 (GTP-binding protein, 25kD)),d

Gene Information

Entrez GeneID: 5599

Gene Name: MAPK8

Gene Alias: JNK,JNK1,JNK1A2,JNK21B1/2,PRKM8,SAPK1

Gene Description: mitogen-activated protein kinase 8

Omim ID: 601158

Gene Ontology: Hyperlink

Gene Summary: The protein encoded by this gene is a member of the MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. This kinase is activated by various cell stimuli, and targets specific transcription factors, and thus mediates immediate-early gene expression in response to cell stimuli. The activation of this kinase by tumor-necrosis factor alpha (TNF-alpha) is found to be required for TNF-alpha induced apoptosis. This kinase is also involved in UV radiation induced apoptosis, which is thought to be related to cytochrom c-mediated cell death pathway. Studies of the mouse counterpart of this gene suggested that this kinase play a key role in T cell proliferation, apoptosis and differentiation. Four alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq

Other Designations: JNK1 alpha protein kinase,JNK1 beta protein kinase,JUN N-terminal kinase,OTTHUMP00000019552,OTTHUMP00000019555,OTTHUMP00000019556,OTTHUMP00000019558,c-Jun N-terminal kinase 1,mitogen-activated protein kinase 8 isoform JNK1 alpha1,mitogen-activated protein

Interactome