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Zuschläge

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- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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GSK3B & CCND1 Protein Protein Interaction Antibody Pair

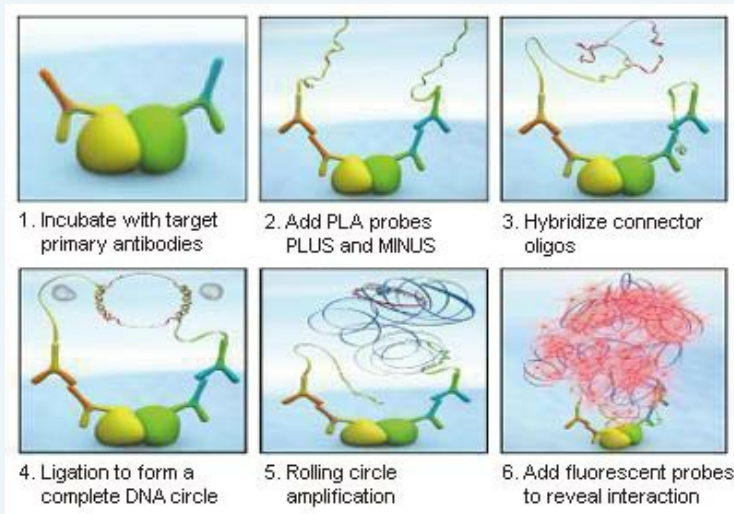
Catalog # : DI0557

規格 : [1 Set]

List All

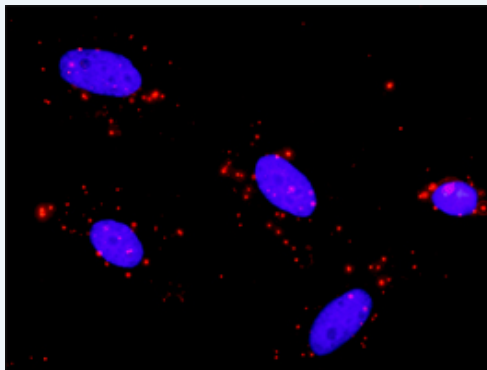
Specification

Product Description: This protein protein interaction antibody pair set comes with two antibodies to detect the protein-protein interaction, one against the GSK3B protein, and the other against the CCND1 protein for use in *in situ* Proximity Ligation Assay. See Publication Reference below.



Reactivity: Human

Quality Control Testing: Protein protein interaction immunofluorescence result.



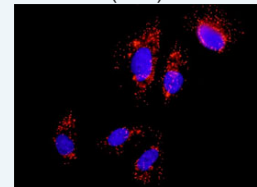
Representative image of Proximity Ligation Assay of protein-protein interactions between GSK3B and CCND1. HeLa cells were stained with anti-GSK3B rabbit purified polyclonal antibody 1:1200 and anti-CCND1 mouse purified polyclonal antibody 1:50. Each red dot represents the detection of protein-protein 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. GSK3B rabbit purified polyclonal antibody (20 ug)
 2. CCND1 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 -

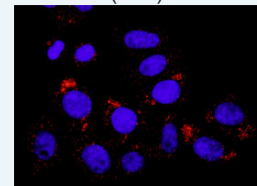
Application Image

In situ Proximity Ligation Assay (Cell)



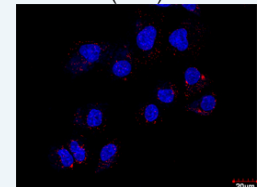
[enlarge](#)

In situ Proximity Ligation Assay (Cell)



[enlarge](#)

In situ Proximity Ligation Assay (Cell)



[enlarge](#)

20°C storage immediately after use.

MSDS:

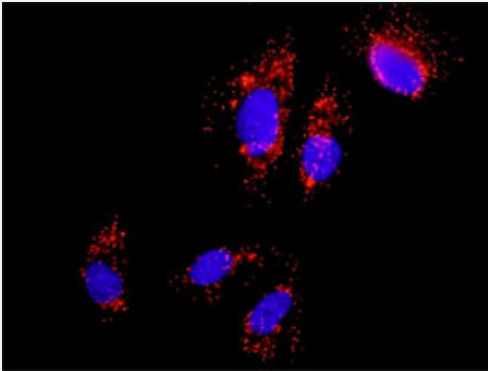


Publication Reference

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]

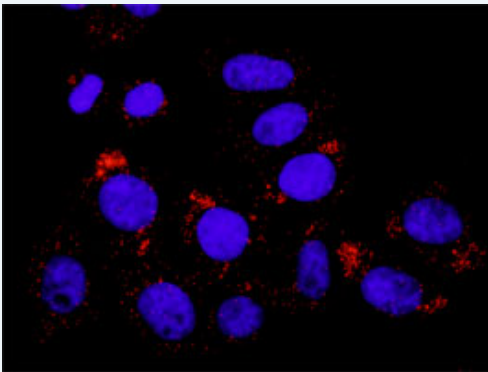
Applications

In situ Proximity Ligation Assay (Cell)



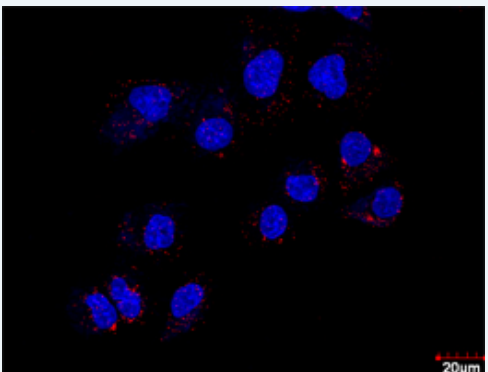
Representative image of Proximity Ligation Assay of protein-protein interactions between GSK3B and CCND1. A-549 cells were stained with anti-GSK3B rabbit purified polyclonal antibody 1:100 and anti-CCND1 mouse purified polyclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

In situ Proximity Ligation Assay (Cell)



Representative image of Proximity Ligation Assay of protein-protein interactions between GSK3B and CCND1. HT-29 cells were stained with anti-GSK3B rabbit purified polyclonal antibody 1:100 and anti-CCND1 mouse purified polyclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

In situ Proximity Ligation Assay (Cell)



Confocal microscopy image of Proximity Ligation Assay of protein-protein interactions between GSK3B and CCND1. A-549 cells were stained with anti-GSK3B rabbit purified

polyclonal antibody 1:100 and anti-CCND1 mouse purified polyclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

[CCND1](#) [GSK3B](#)

Gene Information

Entrez GeneID: [2932](#)

Gene Name: GSK3B

Gene Alias: -

Gene Description: glycogen synthase kinase 3 beta

Omim ID: [605004](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: The protein encoded by this gene is a serine-threonine kinase, belonging to the glycogen synthase kinase subfamily. It is involved in energy metabolism, neuronal cell development, and body pattern formation. Polymorphisms in this gene have been implicated in modifying risk of Parkinson disease, and studies in mice show that overexpression of this gene may be relevant to the pathogenesis of Alzheimer disease. Alternatively spliced transcript variants encoding different isoforms have been found for this gene

Other Designations: GSK3beta isoform, glycogen synthase kinase-3 beta

Gene Information

Entrez GeneID: [595](#)

Gene Name: CCND1

Gene Alias: BCL1, D11S287E, PRAD1, U21B31

Gene Description: cyclin D1

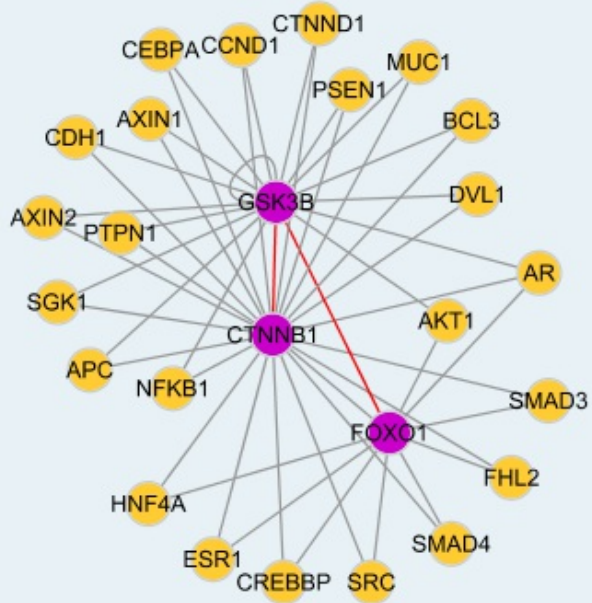
Omim ID: [151400](#), [168461](#), [193300](#), [254500](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: The protein encoded by this gene belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance throughout the cell cycle. Cyclins function as regulators of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. This cyclin forms a complex with and functions as a regulatory subunit of CDK4 or CDK6, whose activity is required for cell cycle G1/S transition. This protein has been shown to interact with tumor suppressor protein Rb and the expression of this gene is regulated positively by Rb. Mutations, amplification and overexpression of this gene, which alters cell cycle progression, are observed frequently in a variety of tumors and may contribute to tumorigenesis. [provided by RefSeq]

Other Designations: B-cell CLL/lymphoma 1, G1/S-specific cyclin D1

Interactome



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